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United States Department of Agriculture

Cooperative State Research Service

Current Research Information System

CRIS

CSRS Budget Office

Inventory of Agricultural Research Fiscal Year 1989

Current Research Information System

INVENTORY OF AGRICULTURAL RESEARCH

FISCAL YEAR 1989

Fiscal Year 1989 covers the period from October 1, 1988, through September 30, 1989.

This report was compiled from data supplied to the Current Research Information System, Cooperative State Research Service, by U.S. Department of Agriculture Research Agencies, State Agricultural Experiment Stations, Forestry Schools and Other Institutions.

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INTRODUCTION

The Inventory of Agricultural Research is a collection of statistical tables compiled annually since 1966 on research conducted by the United States Department of Agriculture (USDA), State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine, and Other Institutions. The tables were designed to assist persons who carry out the "joint research program planning, evaluation, and coordination" recommended in the long-range study, A National Program of Research for Agriculture, published in October 1966. Input data is provided to the Current Research Information System (CRIS) by USDA Research Agencies on Forms AD-416, AD-417, and AD-418, and by State Agricultural Experiment Stations and Other Institutions on Forms AD-416, AD-417, and AD-419. (See Table of Contents.)

From 1968 through 1981, the Inventory was published in three-volume sets. Publication of Volume I was discontinued in 1982. Volumes II and III were combined into a single volume in 1983.

Tables in the II series show scientist years and funds for USDA agencies and SAES et al. Tables in the III series show funding data for USDA research by source of funds. Tables in the IV series show funding data for SAES et al. by source of funds.

The II-B, III-B, and IV-B Tables show a breakdown of the data by the commodity classification used in the long-range study. The II-D, III-D, and IV-D Tables show data for each of the 98 Research Problem Areas (RPA) used in the long-range study. The III-E and IV-E Tables provide summaries of funds and scientist years by agency or station/institution.

Table V shows scientist years by Research Program Group (RPG) and Research Program (RP). RP's and RPG's are made up of unique combinations determined by type of research (agricultural or forestry), activity, commodity, and Research Problem Area (RPA) classification.

All funds appearing in this volume are gross figures. This means that funds not allocated to specific research projects, but considered to be an integral part of the cost of doing research, are prorated to the appropriate research projects. The nature and amount of funds not allocated to projects vary among the stations and USDA agencies. It usually includes administration, supervision, and personnel and financial services. It may include publications and statistical services, rent, operation of research farms, and other expenditures that relate to several or all projects. Prior to Fiscal Year 1972, Tables III and IV reflected net funds.

Starting with Fiscal Year 1982, all inventory tables include data from cooperating Schools of Veterinary Medicine. Starting with Fiscal Year 1986, funds provided by the Agency for International Development (AID) are included with Other Federal Funds in Series II, III and IV Tables.

Funds and staff support for a number of Forestry Schools and Schools of Veterinary Medicine are included with the State Agricultural Experiment Station figures, rather than listed independently.

Research Work Unit/Project Classification - Listings of the appropriate classification categories are included in each of the volumes. More complete descriptions of classification can be found in the "Manual of Classification of Agricultural and Forestry Research," Revision IV, Feb. 1982, available from the Current Research Information System, Cooperative State Research Service, U.S. Department of Agriculture.

Classification on individual Research Work Unit/Projects is provided on Form AD-417. Many inputs used only one line. For example, a project carried out by an entomologist on control of cotton insects would be coded:

> "Activity" - 4500 (Insect control), "Commodity" - 2100 (Cotton), "Field of Science" - 0412 (Entomology), "Research Problem Area" - 207 (Insect pests of field crops) - 100%

Some inputs (projects) could not be classified on a single classification line. For example, a project carried out by a geneticist on breeding corn for disease resistance and improved yield would use two classification lines. If, in the judgment of the person preparing the input form, three-fourths of the emphasis were on disease resistance and one-fourth on yield, the lines would be:

> "Activity" - 4600 (Disease control), "Commodity" - 1400 (Corn), "Field of Science" - 0512 (Genetics), "Research Problem Area" - 208 (Control of disease of field crops) - 75%
>
> "Activity" - 5000 (Biol. efficiency), "Commodity" - 1400 (Corn), "Field of Science" - 0512 (Genetics), "Research Problem Area" - 307 (Improvement of biological efficiency of field crops) - 25%

In the Research Problem Area tabulations, 75% of the scientist years and of the funds reported for this project would be aggregated with other projects in the Problem Area, "Control of diseases of field crops," and 25% would be aggregated with other projects in the Research Problem Area, "Improvement of biological efficiency of field crops." In the Commodity tabulations, 100% of this project would be in "corn."

FOREST SERVICE DATA FOR FY 1989 IS ESTIMATED. ACTUAL DATA WILL NOT BE AVAILABLE UNTIL THE COMPLETION OF A MAJOR COMPUTERIZATION EFFORT THAT IS CURRENTLY UNDERWAY. FY 1989 DATA WERE PROJECTED FROM ACTUAL FY 1988 AND STAFF SUPPORT DATA FOR THE FOLLOWING INSTITUTIONS: NEW JERSEY AGRICULTURAL EXPERIMENT STATION, RUTGERS UNIVERSITY: DELAWARE STATE COLLEGE, DOVER; VERMONT SCHOOL OF NATURAL RESOURCES, BURLINGTON; AND COLLEGE OF FOREST RESOURCES, SEATTLE.

TABLE II

Table II summarizes data on the research programs of the United States Department of Agriculture (USDA) research agencies, the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions.

Column 1 includes abbreviations for the Commodity and Research Problem Area (RPA) Classifications. See the Manual of Classification of Agricultural and Forestry Research, Revision IV, February 1982, for a more detailed description of the Commodity and RPA classification.

"NO OF PROJ," column 2 gives the number of projects in a particular classification category. Projects with more than one line of classification may be tabulated in more than one category.

"SCIENTIST YEARS," column 3 includes for SAES et al. all research workers with a rank of Assistant Professor or above. It excludes graduate assistants and research administrators. For staff members engaged in research and teaching (or other nonresearch activities), only the full-time equivalent of the portion of time devoted to research is included. A count of the different individuals engaged in the program would be greater than the scientist-years reported. For USDA agencies, scientist-years include research workers whose rating is GS-11 or above. It does not include those with GS-7 or GS-9 ratings or those engaged in research administration. Scientists who start work after October of the Fiscal Year, or whose employment is terminated before September 30, are reported for only that portion of the year which represents actual employment.

"REG FED APPR (CSRS ADMSTRD)," column 4 means Regular Federal Appropriations (including those administered by the Cooperative State Research Service). For USDA research agencies, including Competitive Research Grants, CSRS Special Grants, and Small Business Innovative Research Grants, the amounts reported are the sums of the amounts in Fields 101, 104, 105, 106 and 107 of Form AD-418, plus the amount in Field 19 of Form AD-416 for grants and contracts in the year of obligation. The second portion of this heading, "CSRS ADMSTRD," applies only to Federal funds made available by CSRS to SAES et al. For these institutions, the amounts reported are the sums of the amounts in Fields 201, 202, 203 and 205 of Form AD-419.

"TOTAL FUNDS," column 5 includes for USDA all funds under "REG FED APPR," plus "Other Federal Research Funds" as reported on Form AD-418, plus "Non-Federal Research Funds" as reported on Form AD-418. For SAES et al. "TOTAL FUNDS" includes "REG FED APPR," plus "Other Federal Research Funds" as reported on Form AD-419, plus "Non-Federal Research Funds" as reported on Form AD-419.

"USDA CON/GR/CA WITH SAES," columns 6 and 7 refer to contracts, grants, and cooperative agreements under which the USDA uses federally appropriated funds to SAES et al. for the performance of specific research tasks. They include Competitive Research Grants and CSRS "Special Grants" but not grants from other CSRS administered funds. Scientist-years and fund data reported in these columns are also included in columns 3 and 5. SAES et al. report expenditures of these funds in Fields 204 and 219 of Form AD-419. Scientist-years supported by these funds are not reported separately for SAES et al. in column 6 but are included in column 3. USDA agencies treat each contract, grant, or cooperative agreement with an SAES as a separate work unit or project. The amounts included in column 7 by USDA are reported in Field 19 of Form AD-416. This field shows the expected scientist-years to be "purchases," usually over a multiyear period, with the funds reported as obligated.

In the tables for National Total USDA, SAES and Other Institutions, all data have been adjusted to eliminate double counting of the scientists and funds involved in USDA contracts, grants, and cooperative agreements with the SAES et al. This is done for scientist years by adding USDA amounts in column 3 to the corresponding amounts for SAES et al. and subtracting the USDA amounts in column 6. This is done for funds by adding USDA amounts in column 5 to the corresponding amounts for SAES et al. and subtracting the USDA amounts in column 7.

TABLE III

Table III summarizes data on the research programs of the USDA research agencies.

Columns 1 and 2 are the same as those columns in Table II.

STAFF - IH SUPPORT YEARS

Column 3, "SYS" is the number of federally employed (in-house) support scientist years (Field 141 of Form AD-418 and Field 95 of Form AD-416 in the case of contracts, grants, and cooperative agreements with SAES).

Column 4, "OTHER" is a summation of the federally employed (in-house) staff support for research in years of effort for Professional, Technical and Other (Fields 142, 143 and 144 of Form AD-418).

FUNDS - IN THOUSANDS OF DOLLARS

Columns 5-15 involve rounding each datum to the nearest $1,000, and because of this the items in a column may not add exactly to the total shown. Please note that funds shown are gross obligations.

Column 7, "REG IN HOUSE" includes regular appropriations used for in-house research (Field 101 of Form AD-418).

Column 8, "CGCA SAES" includes funds obligated during the year from regular appropriations in contracts, grants, and cooperative agreements with State Agricultural Experiment Stations (Field 19 of Form AD-416).

Column 9, "OTHER CN GT" includes funds obligated during the year from regular appropriations in contracts and grants with research organizations other than those included in Column 8 (Field 19 of Form AD-416).

Columns 10 and 11, "SP FD 015" and "SP FD 010" include obligations for subprofessional help on research programs based on two special funds available to the Agricultural Research Service. (See Fields 104 and 105 of Form AD-418)

Column 12, "FOREST SERV" includes funds received by the Forest Service under provisions of the Whitten Act (Field 106 of Form AD-418).

Column 13, "OTHER USDA" includes any other USDA funds appropriated for research which are not identified with Fields 101 to 106, inclusive, of Form AD-418 (reported in Field 107 of Form AD-418).

Column 14, "TOTAL USDA APPR" is a total of the amounts reported in Columns 7, 8, 9, 10, 11, 12 and 13.

Column 15, "OTHER FED FUND" includes all funds from Federal sources other than USDA research appropriations (Fields 308, 310-316, inclusive, and Field 318 of Form AD-418).

Column 16, "NON-FED FUND" includes all funds made available to the Department for research by non-Federal agencies (Field 133 of Form AD-418).

Column 17, "TOTAL" is a summation of all funds reported in Columns 14, 15 and 16.

TABLE IV

Table IV summarizes data on the research programs of the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions.

Included in the summaries for the Northeast Region are the research programs of all SAES et al. in: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont and West Virginia.

Included in the summaries for the Southern Region are the research programs of all SAES et al. in: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas, Virginia and the Virgin Islands.

Included in the summaries for the North Central Region are the research programs of all SAES et al. in: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota and Wisconsin.

Included in the summaries for the Western Region are the research programs of all SAES et al. in: Alaska, American Samoa, Arizona, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, New Mexico, Northern Marianas, Oregon, Utah, Washington, Wyoming and Micronesia.

Columns 1 and 2 are the same as those columns in Table II.

STAFF - SUPPORT YEARS

Column 3, "SYS" is the number of scientist years (Field 241 of Form AD-419).

Column 4, "OTHER," is the summation of the nonfederally employed staff support for research in years of effort for three categories of support personnel, i.e. Professional, Technical and Other (Fields 242, 243 and 244 of form AD-419).

FUNDS IN THOUSANDS OF DOLLARS

Columns 5-19, inclusive, involve rounding each datum to nearest $1,000, and because of this, items in a column may not add exactly to the total shown.

Column 5, "HATH/RRF," includes obligations of formula funds, including regional research funds, received by SAES from Federal appropriations authorized under provisions of the Hatch Act (Field 201 + Field 202 of Form AD-419).

Column 6, "MCIN STEN," includes obligations of funds received by SAES and Forestry Schools under provisions of the McIntire-Stennis Act (Field 203 of Form AD-419).

Column 7, "SP GT" includes obligations of funds received by SAES et al. from the Federal appropriations made to CSRS for Special Grants (Field 204 of Form AD-419).

Column 8, "COMP GT" includes expenditures of funds received by SAES et al. from the Competitive Research Grants Program (Field 204 of Form AD-419).

Column 9, "EVNS ALLN" includes obligations of formula funds received by the Colleges of 1890 and Tuskegee Institute from Federal appropriations authorized under PL 95-113, Section 1445 (Field 204 of Form AD-419).

Column 10, "ANML HLTH" - Animal Health and Disease Research includes obligations of formula funds received by Colleges of Veterinary Medicine and SAES from Federal appropriations authorized under PL 95-113, Section 1433 (Field 205 of Form AD-419).

Column 11, "OTH CSRS" includes obligations of funds received by SAES et al. from any appropriation administered by CSRS other than those specifically mentioned in columns 5-10 (Field 205 of Form AD-419).

Column 12, "TOTAL CSRS" includes obligations of funds received by SAES et al. from Federal appropriations made to CSRS. It is a total of the amounts reported in columns 5, 6, 7, 8, 9, 10 and 11.

Column 13, "USDA CGCA" includes obligations of funds received by SAES et al. from contracts, grants, and cooperative agreements with the research performing agencies of the USDA (Field 219 of Form AD-419).

Column 14, "OTH FED" includes obligations of funds received by SAES et al. from contracts, grants and cooperative agreements with Federal agencies other than the USDA (Field 332 minus Field 219 of Form AD-419).

Column 15, "STATE APPRO" includes obligations of funds received by SAES et al. from State appropriations (Field 220 of Form AD-419).

Column 16, "PROD SALES" includes obligations of funds received by SAES et al. from sale of products (Field 221 of Form AD-419).

Column 17, "INDTRY" includes obligations of funds received by SAES et al. from industry (Field 222 of Form AD-419).

Column 18, "OTHER" includes obligations of funds received by SAES et al. from any other non-Federal sources (Field 223 of Form AD-419).

Column 19, "TOTAL" includes all obligations of SAES et al. in support of research projects. It is a total of columns 12, 13, 14, 15, 16, 17 and 18.

TABLE IV-F

Columns 1, 2, 3 and 4 are the same as above.

Column 5, "CSRS ADM" is the sum of all funds received by SAES et al. from any sources administered by CSRS (Fields 201, 202, 203, 204 and 205 of Form AD-419).

Column 6 "USDA CGCA" same as column 13 above (Field 219 of Form AD-419).

Column 7 "NSF" includes obligations of funds received by SAES et al. from the National Science Foundation (Field 209 of Form AD-419).

Column 8 "DOE" includes obligations of funds received by SAES et al. from the Department of Energy (Field 310 of Form AD-419).

Column 9 "AID" includes obligations of funds received by SAES et al. from the Agency for International Development (Field 308 of Form AD-419).

Column 10 "DOD" includes obligations of funds received by SAES et al. from the Department of Defense (Field 311 of Form AD-419).

Column 11 "NIH" includes obligations of funds received by SAES et al. from the National Institutes of Health (Field 316 of Form AD-419).

Column 12 "PHS" includes obligations of funds received by SAES et al. from the Public Health Services (Field 312 of Form AD-419).

Column 13 "HHS" includes obligations of funds received by SAES et al. from the Department of Health and Human Services (Field 313 of Form AD-419).

Column 14 "NASA" includes obligations of funds received by SAES et al. from the National Aeronautics and Space Administration (Field 314 of Form AD-419).

Column 15 "TVA" includes obligations of funds received by SAES et al. from the Tennessee Valley Authority (Field 315 of Form AD-419).

Column 16 "OTHER" includes obligations of funds received by SAES et al. from any non-USDA Federal sources not listed above (Field 318 of Form AD-419).

Column 17 "TOTAL OTHER FED" includes obligations of funds received by SAES et al. from all non-USDA Federal sources. It is a total of the amount reported in Columns 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16 (Field 332 of Form AD-419).

Column 18 "TOTAL NON-FED" includes obligations of funds received by SAES et al. from all non-Federal sources (Field 233 of Form AD-419).

Column 19 "TOTAL" includes all obligations of SAES et al. in support of Research Projects. It is a total of Columns 5, 6, 17 and 18 (Field 234 of Form AD-419).

TABLE V

Table V summarizes data on the research programs of the USDA research agencies, the State Agricultural Experiment Stations (SAES), Forestry Schools, Colleges of 1890 and Tuskegee University, Colleges of Veterinary Medicine and Other Institutions. Table V-B shows scientist years by Research Program. Table V-C shows scientist years by Research Program Group.

The material is organized into manageable units and subunits based on type of research (agricultural or forestry), Activity, Commodity and Research Problem Area (RPA) classification. The various Activity X Commodity X RPA combinations for the two types of research aggregate to 63 Research Programs (RPs) which, in turn, aggregate to eight (8) Research Program Groups (RPGs). One additional RP/RPG has been established for unclassified projects. Duplication has been eliminated by designating each unique Type X Activity X Commodity X RPA combination as having a primary impact on only one of the 63 RPs. For example, a research project conducted by the Agricultural Research Service concerning watershed protection, Activity 4820 "Protection against Flood" Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having a primary impact on RP 1.02 "Water and Watersheds." A research project conducted by the Forest Service concerning watershed protection Activity 4820 "Protection against Flood" Commodity 0300 "Watersheds and River Basins" and RPA 107 "Watershed Protection and Management" is reported as having primary impact on RP 2.04 "Forest Watersheds, Soils, and Pollution."

Forestry Research (type) includes all research conducted by Forest Service, Forestry Schools funded by McIntire-Stennis or designated Forestry by the Cooperative State Research Service. All other research is considered agricultural research. Columns 3 and 4 (agricultural) and 3 and 5 (forestry) show the combinations which have primary impact on each research program.

Effective with Fiscal Year 1980 data, a number of changes were made to the Research Program Group (RPG) and Research Program (RP) structures described in this publication. Added visibility for the Food and Human Nutrition Research area was achieved by removing it from former RPG 5.00 - People, Communities and Institutions establishing a new RPG 8.00 - Food Science and Human Nutrition. The title for RPG 5.00 was amended to "People, Communities and Institutions - including Rural Development" and two new RPs were added. Commodity oriented research, formerly classified under RPG - 7.00 General Research or Technology, was moved to the appropriate major category (RPG) by adding a number of new RPs to RPG 1.00 - Natural Resources, RPG 2.00 - Forestry, RPG 3.00 - Crops, and RPG 4.00 - Animals. Additionally, former RP 7.01 was split into two RPs. Please see the RPG/RP table for the specific changes.

Scientist years (SYS) are listed by performing organization with the following exception: SYS funded by USDA contracts, grants and cooperative agreements with organizations other than SAES are listed by funding organization.

U.S. DEPARTMENT OF AGRICULTURE

RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH RESUME

U.S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER INSTITUTIONS

DATE *(Day, Month, Year)* | AMENDMENT ☐

1. ACCESSION NO.	AGENCY IDENTIFICATION NO. 2. 3. 4.	5. WORK UNIT/PROJECT NO.	6. STATUS
			New A ☐ Extended B ☐ Revised C ☐ Terminated E ☐ Pending F ☐

7. TITLE

8. PERFORMING ORGANIZATION				13. RESPONSIBLE ORGANIZATION			
CITY	STATE/COUNTRY	ZIP CODE	CONG. DISTRICT	CITY	14. STATE	ZIP CODE	

12. INVESTIGATOR NAME(S) *(Last name & initials)*

1 _____ 4 _____

2 _____ 5 _____

3 _____ 6 _____

15. RESPONSIBLE INDIVIDUAL *(Last name & initials)*

16. RESEARCH LOCATION ON CAMPUS?
A ☐ Yes B ☐ No

PROJECT TYPE

17-1. FOR USDA USE
A ☐ Contract B ☐ Grant C ☐ Coop. Agmt. D ☐ In-house

17-2. FOR USDA USE
Contr./Gr./ Agmt. with
SAES A ☐ Other B ☐

18-1. FOR STATE USE
1890/T T ☐ | SP GR G ☐ | RD V R ☐ | CRGO C ☐ | Alcohol Ind I ☐ | SBRG B ☐
Hatch H ☐ | M-S M ☐ | State S ☐ | AH A ☐ | Native Latex L ☐

CONTRACTS, GRANTS & COOPERATIVE AGREEMENTS

18-4. CONTR./GR./AGMT./NO.

19-1. FACE AMOUNT

18-5. FOR STATE USE
ARS A ☐ ERS B ☐ FS C ☐ ACS D ☐ SRS E ☐

19-2. TOTAL SYS.

20. F Y

21. FACILITIES
A ☐ Federally-owned B ☐ Federally-leased C ☐ Combined D ☐ State E ☐ Other

22.-23. REGIONAL PROJECT NO.

24. OBJECTIVES 25. APPROACH *(Use space needed for "24. OBJECTIVES", then indicate "25. APPROACH".)*

27. KEYWORDS

RECOMMENDED			APPROVED — Check applicable one — CONCURRED		
SIGNATURE	TITLE	DATE	SIGNATURE	TITLE	DATE

28. AWARD DATE *(Day, Mo., Yr.)*	29. START DATE *(Day, Mo., Yr.)*	30. TERMINATION *(Day, Mo., Yr.)*	DURATION *(Months)*

FOR USDA USE

☐ Project referred and cleared by all interested agencies for entry into CRIS.

SIGNATURE | DATE

FORM AD-416 (5/83)

U.S. DEPARTMENT OF AGRICULTURE

DATE *(Day, Month, Year)*

RESEARCH WORK UNIT/PROJECT DESCRIPTION-CLASSIFICATION OF RESEARCH

U.S. DEPT. OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATION AND OTHER INSTITUTIONS

1. ACCESSION NO.	AGENCY IDENTIFICATION NO. 2. 3. 4.	5. WORK UNIT/PROJECT NO.	31. HATCH MARKETING ☐ Yes ☐ No %

32. BASIC RESEARCH %	33. APPLIED RESEARCH %	34. DEVELOPMENT EFFORT %	35. FORESTRY %

CLASSIFICATION BY ACTIVITY, COMMODITY, SCIENCE, AND RESEARCH PROBLEM AREA

	ACTIVITY		COMMODITY		SCIENCE		RESEARCH PROBLEM AREA	PRODUCT OF (2) X (4) X (6)
	CODE (1)	% (2)	CODE (3)	% (4)	CODE (5)	% (6)	CODE (7)	% (8)
36.								
37.								
38.								
39.								
40.								
41.								
42.								
43.								
44.								
45.								
46.								
47.								

SPECIAL CLASSIFICATION

Fields 48-77 are used to identify special areas of research such as Pollution, Health and Medical, Tobacco-Health, Weather, Nuclear Radiation, Poverty, Natural Beauty, Sub-Commodities, Pesticide Targets, Water Resources, Energy, Home Economics, Sub-Activities (SEA/AR) and Special Research Programs (SEA/AR). Refer to your agency manual for specific codes and instructions.

CODE	%	CODE	%	CODE	%	CODE	%	CODE	%
48.		54.		60.		66.		72.	
49.		55.		61.		67.		73.	
50.		56.		62.		68.		74.	
51.		57.		63.		69.		75.	
52.		58.		64.		70.		76.	
53.		59.		65.		71.		77.	

79. COOPERATORS

A ☐ USDA B ☐ Other Federal Agencies C ☐ Industry and other D ☐ State

COOPERATING DEPARTMENTS WITHIN STATE PERFORMING INSTITUTION

80.

81.

82.

83. REPORTING DEPARTMENT WITHIN STATE PERFORMING INSTITUTION

AD FORM 417
JUN 1979

U.S. DEPARTMENT OF AGRICULTURE

RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH FUNDS AND MANPOWER

U.S. DEPARTMENT OF AGRICULTURE USE ONLY

DATE (Day, mo., yr.)

1 ACCESSION NO.	AGENCY IDENTIFICATION NO. 2 3 4	5 WORK UNIT/PROJECT NO.	22-23 REGIONAL PROJECT NO.

7 TITLE

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION

FEDERAL RESEARCH FUNDS USDA APPROPRIATIONS	FIELD NUMBER	
Regular, In House	(101)	
Regular, Contracts, Grants, Agreements with AES	(102)	
Regular, Contracts, Grants, Agreements with Others	(103)	
Special Funds (015) (SEA/AR) In House	(104)	
Special Funds (010) (SEA/AR) In House	(105)	
Forest Service Research Contracts	(106)	
Other USDA *(Identify)*: _____	(107)	
TOTAL	**(131)**	
OTHER FEDERAL RESEARCH FUNDS		
Department of Energy	(310)	
Agency for International Development	(308)	
Department of Defense	(311)	
National Institutes of Health	(316)	
Public Health Service	(312)	
Health Education and Welfare (Other)	(313)	
National Aeronautics and Space Administration	(314)	
Tennessee Valley Authority	(315)	
Foreign Agricultural Research (PL 480)	(117)	
Other Federal Funds *(Identify)*: _____	(318)	
TOTAL	**(332)**	
NON-FEDERAL RESEARCH FUNDS		
Trust Funds, In House	(120)	
Trust Funds, Contracts, Grants, Agreements with AES	(121)	
Trust Funds, Contracts, Grants, Agreements with Others	(122)	
Other Non-Federal Funds *(Identify)*:	(123)	
TOTAL	**(133)**	
TOTAL ALL RESEARCH FUNDS AT LOCATION	**(134)**	

STAFF SUPPORT		STAFF EFFORT (years) ACTUAL	STAFF EFFORT (years) ESTIMAT
FEDERALLY EMPLOYED STAFF SUPPORT (Report nearest 0.1)			
Scientists (GS-11 and above)	(141)		
Professional Support	(142)		
Technical Support	(143)		
Clerical, Labor and Other	(144)		
TOTAL STAFF YEARS	**(350)**		

SUBMITTED BY | TITLE

UNITED STATES DEPARTMENT OF AGRICULTURE

RESEARCH WORK UNIT/PROJECT DESCRIPTION – RESEARCH FUNDS AND STAFF SUPPORT

FOR STATE AND OTHER NON-FEDERAL INSTITUTION USE

DATE *(Day, mo., year)*

1. ACCESSION NO.	AGENCY IDENTIFICATION NO. 2.	3.	4.	5. WORK UNIT/PROJECT NO.	REGIONAL PROJECT NO.	TYPE OR CONTRACT/GRANT/AGMT NO.

7. TITLE

ALLOCATION OF RESEARCH FUNDS TO WORK UNIT/PROJECT AT LOCATION *(Round to nearest whole dollar)*	FIELD NUMBER	FY ACTUAL $
FEDERAL RESEARCH FUNDS CSRS ADMINISTERED		
Hatch Funds	(201)	
Regional Research Funds	(202)	
McIntire Stennis Funds	(203)	
Contracts, Grants, Cooperative Agreements for Research • Special Grants • Competitive Grants • Cooperative Agreements	(204)	
Other Funds • Animal Health Sec. 1433 • Evans-Allen • Other CSRS Administered	(205)	
TOTAL →	(231)	
OTHER FEDERAL RESEARCH FUNDS		
USDA Contracts Grants Co-op Agreements	(219)	
National Science Foundation	(209)	
Department of Energy	(310)	
Agency for International Development	(308)	
Department of Defense	(311)	
National Institutes of Health	(316)	
Public Health Service	(312)	
Health and Human Services	(313)	
National Aeronautics and Space Administration	(314)	
Tennessee Valley Authority	(315)	
Other Federal Funds *(including CSRS Administered "Pass Through" Funds)*	(318)	
TOTAL →	(332)	
NON-FEDERAL RESEARCH FUNDS		
State Appropriations	(220)	
Self-Generated Funds	(221)	
Industry Grants and Agreements	(222)	
Other Non-Federal Funds	(223)	
TOTAL →	(233)	
TOTAL ALL RESEARCH FUNDS AT LOCATION →	(234)	

STAFF SUPPORT		STAFF EFFORT – ACTUAL *(years)*
NON-FEDERALLY EMPLOYED STAFF SUPPORT *(Report nearest 0.1 Year)*		
Scientists (Assistant Professor and above)	(241)	
Professional Support	(242)	
Technical Support	(243)	
Clerical, Labor, and Other	(244)	
TOTAL STAFF YEARS →	(350)	

SUBMITTED BY *(Signature)* | TITLE

FORM AD-419 (10-89)

CLASSIFICATION CODESHEET FOR REPORT OF AGRICULTURAL RESEARCH

Commodity, Resource or Technology not Associated with Specific Commodities

Commodities or Resources

0100 Soil and land
0200 Water
0300 Watersheds and river basins
0400 Air and climate
0500 Recreation resources
0600 Trees, forests, and forest products [excluding edible tree nut crops (see 1015), and tung (see 2560)]
0700 Range
0800 Fish, shellfish, game and fur-bearing animals and other wildlife and their habitats
0900 Citrus and subtropical fruit
1000 Deciduous and small fruits and edible tree nuts
1100 Potatoes
1200 Vegetables
1300 Ornamentals and turf
1400 Corn (includes popcorn) - (for sweetcorn see 1280)
1500 Grain sorghum
1600 Rice
1700 Wheat
1800 Other small grains
1900 Pasture
2000 Forage crops
2100 Cotton (including cottonseed for planting purposes)
2200 Cottonseed (for meal, oil, etc.)
2300 Soybeans
2400 Peanuts
2500 Other oilseed and oil crops (excluding cottonseed)
2600 Tobacco
2700 Sugar crops
2800 Miscellaneous and new crops
2900 Poultry
3000 Beef cattle
3100 Dairy cattle
3200 Swine
3300 Sheep and wool
3400 Other animals (see 0850 for fur-bearing animals)
3500 Bees and honey and other pollinating insects
3600 General purpose supplies - includes: machinery, equipment, fertilizers, feedstuffs, and pesticides
3700 Clothing and textiles
3800 Food (not readily asociated with specific plants and animal products)
3900 Structures and facilities

Commodities or Resources

4000	People as individual workers, consumers and members of society
4100	The family and its members
4200	The farm as a business enterprise
4300	Communities, areas and regions, including countries and States and their institutions
4400	Agricultural economy of United States and sectors thereof, including interrelationships with the total economy
4500	Agricultural economy of foreign countries and sectors thereof, including interrelationships with the total economy
4600	Farmer cooperatives
4700	Marketing, processing and supply firms other than cooperatives
4800	Marketing systems and sectors thereof
6100	Weeds
6200	Seed research
6300	Biological cell systems
6400	Experimental design and statistical methods
6500	Invertebrates (including insects, mites, ticks, snails, slugs, and leeches)
6600	Microorganisms, viruses, etc.
6700	Plants
6800	Animals (vertebrates)
6900	Research on research management (not research management *per se*)
7000	Research equipment and technology (such as remote sensing)

RESEARCH PROBLEM AREAS (RPA's)

GOAL I: INSURE A STABLE AND PRODUCTIVE AGRICULTURE FOR THE FUTURE THROUGH WISE MANAGEMENT OF NATURAL RESOURCES

101 Appraisal of Soil Resources
102 Soil, Plant, Water, Nutrient Relationships
103 Management of Saline and Sodic Soils and Salinity
104 Alternative Uses of Land
105 Conservation and Efficient Use of Water

106 Efficient Drainage and Irrigation Systems and Facilities
107 Watershed Protection and Management
108 Economic and Legal Problems in Management of Water and Watersheds
109 Adaptation to Weather and Weather Modification
110 Appraisal of Forest and Range Resources

111 Biology, Culture and Management of Forests and Timber-Related Crops
112 Improvement of Range Resources
113 Remote Sensing
114 Research on Management of Research

GOAL II: PROTECT FORESTS, CROPS AND LIVESTOCK FROM INSECTS, DISEASES AND OTHER HAZARDS

201 Control of Insects Affecting Forests
202 Control of Diseases, Parasites and Nematodes Affecting Forests
203 Prevention and Control of Forest and Range Fires
204 Control of Insects, Mites, Slugs and Snails on Fruit and Vegetable Crops
205 Control of Diseases and Nematodes of Fruit and Vegetable Crops

206 Control of Weeds and Other Hazards to Fruit and Vegetable Crops
207 Control of Insects, Mites, Snails and Slugs Affecting Field Crops and Range
208 Control of Diseases and Nematodes of Field Crops and Range
209 Control of Weeds and Other Hazards of Field Crops and Range
210 Control of Insects and External Parasites Affecting Livestock, Poultry and Other Animals

GOAL II: PROTECT FORESTS, CROPS AND LIVESTOCK FROM INSECTS, DISEASES AND OTHER HAZARDS (Continued)

211 Control of Diseases of Livestock, Poultry and Other Animals

212 Control of Internal Parasites of Livestock, Poultry and Other Animals
213 Protect Livestock, Poultry and Other Animals from Toxic Chemicals, Poisonous Plants, and Other Hazards
214 Protection of Plants, Animals and Man from Harmful Effects of Pollution

GOAL III: PRODUCE AN ADEQUATE SUPPLY OF FARM AND FOREST PRODUCTS AT DECREASING REAL PRODUCTION COSTS

301 Genetics and Breeding of Forest Trees

302 New and Improved Forest Engineering Systems
303 Economics of Timber Production

304 Improvement of Biological Efficiency of Fruit and Vegetable Crops
305 Mechanization of Fruit and Vegetable Crop Production

306 Production Management Systems for Fruits and Vegetables
307 Improvement of Biological Efficiency of Field Crops
308 Mechanization of Production of Field Crops
309 Production Management Systems for Field Crops
310 Reproductive Performance of Livestock, Poultry and Other Animals

311 Improvement of Biological Efficiency in Production of Livestock, Poultry and Other Animals
312 Environmental Stress in Production of Livestock, Poultry and Other Animals
313 Production Management Systems for Livestock, Poultry and Other Animals
314 Bees and Other Pollinating Insects
315 Improvement of Structures, Facilities and General Purpose Farm Supplies and Equipment
316 Farm Business Management
317 Mechanization and Structures Used in Production of Livestock, Poultry and Other Animals
318 Non-Commodity-Oriented Biological Technology and Biometry

GOAL IV: EXPAND THE DEMAND FOR FARM AND FOREST PRODUCTS BY DEVELOPING NEW AND IMPROVED PRODUCTS AND PROCESSES AND ENHANCING PRODUCT QUALITY

401 New and Improved Forest Products
402 Production of Fruit and Vegetable Crops with Improved Acceptability
403 New and Improved Fruit and Vegetable Products and Byproducts
404 Quality Maintenance in Storing and Marketing Fruits and Vegetables
405 Production of Field Crops with Improved Acceptability

406 New and Improved Food Products from Field Crops
407 New and Improved Feed, Textile and Industrial Products from Field Crops
408 Quality Maintenance in Storing and Marketing Field Crops
409 Production of Animal Products with Improved Acceptability
410 New and Improved Meat, Milk, Eggs and Other Animal Food Products

411 New and Improved Non-Food Animal Products
412 Quality Maintenance in Marketing Animal Products

GOAL V: IMPROVE EFFICIENCY IN THE MARKETING SYSTEM

501 Improvement of Grades and Standards--Crop and Animal Products
502 Development of Markets and Efficient Marketing of Timber and Related Products
503 Efficiency in Marketing Agricultural Products and Production Inputs

506 Supply, Demand and Price Analysis--Crop and Animal Products
507 Competitive Interrelationships in Agriculture
508 Development of Domestic Markets for Farm Products
509 Performance of Marketing Systems
510 Group Action and Market Power

511 Improvement in Agricultural Statistics
512 Improvement of Grades and Standard of Forest Products
513 Supply, Demand and Price Analysis - Forest Products

GOAL VI: EXPAND EXPORT MARKETS AND ASSIST DEVELOPING NATIONS

601 Foreign Market Development
602 Evaluation of Foreign Food Aid Programs
603 Technical Assistance to Developing Countries
604 Product Development and Marketing for Foreign Markets

GOAL VII: PROTECT CONSUMER HEALTH AND IMPROVE NUTRITION AND WELL-BEING OF THE AMERICAN PEOPLE

701 Insure Food Products Free of Toxic Contaminants Including Residues from Agricultural Sources
702 Protect Food and Feed Supplies from Harmful Microorganisms and Naturally Occurring Toxins
703 Food Choices, Habits and Consumption
704 Home and Commercial Food Service
705 Selection and Care of Clothing and Household Textiles

706 Control of Insect Pests of Man and His Belongings
707 Prevent Transmission of Animal Diseases and Parasites to Man
708 Human Nutrition
709 Reduction of Hazards to Health and Safety

GOAL VIII: ASSIST RURAL AMERICANS TO IMPROVE THEIR LEVEL OF LIVING

801 Housing
802 Individual and Family Decision Making and Resource Use and Family Functioning
803 Causes of Poverty Among Rural People
804 Improvement of Economic Potential of Rural People
805 Communication and Education Processes

806 Individual and Family Adjustment to Change
807 Structural Changes in Agriculture
808 Government Programs to Balance Farm Output and Market Demand

GOAL IX: PROMOTE COMMUNITY IMPROVEMENT INCLUDING DEVELOPMENT OF BEAUTY, RECREATION, ENVIRONMENT, ECONOMIC OPPORTUNITY, AND PUBLIC SERVICES

901 Alleviation of Soil, Water and Air Pollution and Disposal of Wastes
902 Outdoor Recreation
903 Multiple Use Potential of Forest Land and Evaluation of Forestry Programs
904 Fish and Other Marine Life, Fur-Bearing Animals and Other Wildlife
905 Trees to Enhance Rural and Urban Environment

906 Culture and Protection of Ornamentals and Turf
907 Improved Income Opportunities in Rural Communities
908 Improvement of Rural Community Institutions and Services

RESEARCH PROGRAM GROUP (RPG)/RESEARCH PROGRAM (RP)

RPG 1.00 NATURAL RESOURCES

RP 1.01 Soil and Land Use
RP 1.02 Water and Watersheds
RP 1.03 Recreation
RP 1.04 Environmental Quality
RP 1.05 Weather Modification for Agriculture and Forestry
RP 1.06 Fish and Wildlife
RP 1.07 Remote Sensing
RP 1.08 Aquatic Weeds
RP 1.09 Natural Resources - General

RPG 2.00 FOREST RESOURCES

RP 2.01 Inventory and Appraisal of Forest Resources
RP 2.02 Timber Management
RP 2.03 Forest Protection
RP 2.04 Harvesting, Processing and Marketing Forest Products
RP 2.05 Forest Watersheds, Soils, Pollution
RP 2.06 Forest Range Wildlife and Fisheries Habitat Development
RP 2.07 Forest Recreation and Aesthetics and other Landscape Values
RP 2.08 Alternative Uses of Land
RP 2.09 Technical Assistance
RP 2.10 Trees, Forests and Forest Products - General
RP 2.11 Forest and Range Resources

RPG 3.00 CROPS (Field and Horticultural)

RP 3.01 Corn
RP 3.02 Grain Sorghum
RP 3.03 Wheat
RP 3.04 Small Grains other than Wheat
RP 3.05 Rice
RP 3.06 Soybeans
RP 3.07 Peanuts
RP 3.08 Sugar
RP 3.09 Forage, Range, and Pasture
RP 3.10 Cotton
RP 3.11 Tobacco
RP 3.12 New Crops and Minor Oilseeds
RP 3.13 Fruit
RP 3.14 Vegetable Crops
RP 3.15 Plants to Enhance the Environment
RP 3.16 Bees and other Pollinating Insects
RP 3.17 Weeds in Crops
RP 3.18 Seeds
RP 3.19 Nonspecific - Plants

RESEARCH PROGRAM GROUP (RPG)/RESEARCH PROGRAM (RP)

RPG 4.00 ANIMALS

RP 4.01 Beef
RP 4.02 Dairy
RP 4.03 Poultry
RP 4.04 Sheep
RP 4.05 Swine
RP 4.06 Other Animals (Horses, Goats, Pets, Laboratory, etc.)
RP 4.07 Aquatic Food and Feedstuffs
RP 4.08 Nonspecific - Animals
RP 4.09 Invertebrates

RPG 5.00 PEOPLE, COMMUNITIES, AND INSTITUTIONS INCLUDING RURAL DEVELOPMENT

RP 5.01 Individuals and Families
RP 5.02 Living Environment
RP 5.03 Communities, Institutions and Services
RP 5.04 Insects Affecting Man and his Belongings
RP 5.05 Research on Administration of Research

RPG 6.00 COMPETITION, TRADE, ADJUSTMENT, PRICE AND INCOME POLICY

RP 6.01 Farm Adjustment, Prices and Income
RP 6.02 Foreign Agricultural Trade and Economic Development
RP 6.03 Marketing and Competition

RPG 7.00 GENERAL RESOURCE OR TECHNOLOGY

RP 7.01 Manmade Resources
RP 7.02 Technology not Associated with Specific Commodities, Resources of RPGs

RPG 8.00 FOOD SCIENCE AND HUMAN NUTRITION

RP 8.01 Human Nutrition
RP 8.02 Food Processing
RP 8.03 Food Safety
RP 8.04 Food Storage, Distribution and Marketing
RP 8.05 Food Service

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL USDA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1338	511.8	40,719,677	100,712,419	*	*
0200 WATER	931	352.6	28,066,681	67,429,410	*	*
0300 WATERSHEDS RIVER BAS	283	135.9	18,362,669	26,524,993	*	*
0400 AIR AND CLIMATE	127	37.7	1,979,588	8,031,484	*	*
0500 RECREATION RESOURCES	152	53.8	3,662,955	9,107,268	*	*
0600 TIMBER FORST PRODUCT	2013	1157.4	134,341,283	228,820,745	*	*
0700 RANGE	410	200.2	18,123,761	34,690,544	*	*
0800 WILDLIFE AND FISH	838	350.3	24,400,291	77,685,821	*	*
0900 CITRUS SUB TROP FRUT	404	205.2	20,060,589	40,431,447	*	*
1000 FRUIT NUTS DECIDUOUS	1150	455.3	35,157,500	94,441,003	*	*
1100 POTATOES	404	129.7	13,312,271	27,660,254	*	*
1200 VEGETABLES	1577	595.7	41,428,281	112,401,077	*	*
1300 ORNAMENTALS TURF	623	234.0	12,202,773	45,358,771	*	*
1400 CORN	1124	379.3	36,706,124	71,927,984	*	*
1500 GRAIN SORGHUM	340	80.1	4,668,067	16,458,546	*	*
1600 RICE	189	69.3	4,844,407	15,071,064	*	*
1700 WHEAT	906	345.1	27,300,116	59,961,853	*	*
1800 OTHER SMALL GRAINS	447	125.9	9,137,256	23,305,400	*	*
1900 PASTURE	157	48.5	5,931,644	9,571,725	*	*
2000 FORAGE CROPS	958	320.8	27,266,323	61,379,485	*	*
2100 COTTON	483	285.6	35,532,869	54,371,967	*	*
2200 COTTONSEED	25	17.8	2,579,490	2,765,526	*	*
2300 SOYBEANS	1076	398.0	35,933,441	72,326,896	*	*
2400 PEANUTS	196	79.1	6,272,918	14,086,758	*	*
2500 OTHER OILSEED CROPS	156	49.8	5,711,527	9,631,747	*	*
2600 TOBACCO	185	80.0	6,753,240	17,522,247	*	*
2700 SUGAR CROPS	168	82.6	9,617,224	16,830,336	*	*
2800 MISC NEW CROPS	232	84.1	7,616,695	16,676,071	*	*
2900 POULTRY	856	358.3	30,948,928	80,678,545	*	*
3000 BEEF CATTLE	1594	643.7	51,644,178	159,147,222	*	*
3100 DAIRY CATTLE	1371	491.0	41,698,989	126,690,989	*	*
3200 SWINE	881	298.4	35,315,714	83,372,649	*	*
3300 SHEEP AND WOOL	459	146.1	12,561,867	35,473,015	*	*
3400 OTHER ANIMALS	655	226.3	8,924,801	52,583,946	*	*
3500 BEES AND HONEY	67	40.3	4,366,976	6,628,266	*	*
3600 FARM SUPP & FACILITS	93	33.6	1,328,273	5,464,419	*	*
3700 CLOTHING & TEXTILES	35	26.1	925,734	3,211,221	*	*
3800 FOOD	482	236.6	19,270,862	48,489,918	*	*
3900 HOUSING & EQUIP	161	54.0	3,077,084	9,336,776	*	*
4000 PEOPLE AS INDIVIDUALS	743	268.4	50,118,076	74,135,704	*	*
4100 FAMILY MEMBERS	293	102.9	3,746,162	11,600,693	*	*
4200 FARM AS BUSINESS	209	79.2	3,198,272	10,415,309	*	*
4300 SOC POLIT ORGANIZ	392	151.0	8,278,888	23,596,757	*	*
4400 AGRIC ECONOMY U S	205	136.1	10,912,815	19,069,611	*	*
4500 AGRIC ECONOMY FORGN	96	143.0	12,829,799	20,796,397	*	*
4600 FARM COOPERATIVES	33	13.1	1,085,792	1,776,238	*	*
4700 OTH MARKET PROCESS	22	5.3	217,546	626,587	*	*
4800 MARKETING SYSTEMS	75	37.4	3,640,407	5,471,845	*	*
6100 WEEDS	194	66.3	7,067,829	13,234,821	*	*
6200 SEED RESEARCH	67	27.9	1,533,307	6,291,436	*	*
6300 BIO CELL SYSTEMS	304	116.7	4,286,822	29,133,838	*	*
6400 EXP DESIGN/STAT METHOD	110	41.4	398,477	6,976,065	*	*
6500 INVERTEBRATES	594	234.6	19,316,316	44,308,644	*	*
6600 MICROORGANISMS VIRUSES	682	219.9	16,684,570	49,719,866	*	*
6700 PLANTS	1140	363.1	35,535,278	84,581,454	*	*
6800 ANIMALS(VERTEBRATES)	545	258.1	6,005,626	61,722,499	*	*
6900 RESEARCH ON RSCH MGMT	48	20.9	1,384,338	16,039,004	*	*
7000 RSCH EQUIP & TECHNOLOGY	164	64.3	5,313,536	14,270,535	*	*
9900 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	*	*
TOTAL		11773.6	1,025,115,710	2,445,835,898	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL USDA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	240	88.8	3,333,886	17,462,543	*	*
102 SOIL PLNT WTR NUTRI	1010	452.5	37,769,877	87,573,901	*	*
103 MGMT OF SALINE SOILS	91	33.2	2,663,984	7,553,249	*	*
104 ALTERN USE OF LAND	148	55.6	4,747,034	9,050,413	*	*
105 CONSERV USE OF WATER	444	175.3	15,082,368	31,985,146	*	*
106 DRAIN AND IRRIGATION	138	69.6	4,089,230	14,154,606	*	*
107 WATERSHED PROT & MGMT	319	197.6	26,956,534	37,034,867	*	*
108 ECON LEG PROB OF WAT	78	31.4	1,268,831	4,016,790	*	*
109 WEATHER ADAPT & MOD	165	55.3	2,807,067	9,633,466	*	*
110 APPRAIS FORST & RANGS	184	92.3	15,417,113	22,658,351	*	*
111 BIOL CULT MGMT FORSTS	543	308.4	28,432,205	54,291,547	*	*
112 IMPROV RANGE RESOR	245	106.1	9,919,431	19,733,349	*	*
113 REMOTE SENSING	94	36.3	4,225,858	7,902,780	*	*
114 RSCH ON MGMT OF RSCH	48	20.9	1,384,338	16,039,004	*	*
SUBTOTAL		1723.3	158,097,756	338,990,012	*	*
SERIES 200						
201 CNTRL FORST INSECTS	276	124.1	18,085,396	24,914,001	*	*
202 CONTROL FOREST DIS	208	81.6	10,837,759	16,501,565	*	*
203 FOREST FIRE PROTECT	45	40.2	6,390,264	7,215,837	*	*
204 CNTR PESTS FRT & VEGS	663	220.3	21,043,028	46,064,779	*	*
205 CNTR DISE FRT & VEG	898	310.2	20,903,879	60,536,233	*	*
206 CNTR WEEDS FRT & VEG	200	49.0	3,212,578	9,536,135	*	*
207 CNTR PESTS FLD CROPS	813	362.9	32,902,600	63,856,511	*	*
208 CNTR DIS FIELD CROPS	885	342.5	24,633,108	61,142,189	*	*
209 CNTR WEEDS FLD CROPS	449	186.0	16,560,468	36,655,281	*	*
210 CONTR PESTS ANIMALS	203	107.0	10,350,460	16,433,070	*	*
211 CONTR DIS ANIMALS	1480	705.4	51,489,076	168,740,039	*	*
212 CNTR INTER PARASITES	146	63.3	8,173,855	13,893,412	*	*
213 PROT ANMLS FROM TOXINS	140	107.8	5,859,073	21,702,211	*	*
214 PROTECT FROM POLLUTION	254	107.6	11,665,371	29,650,141	*	*
SUBTOTAL		2807.7	242,106,914	576,841,403	*	*
SERIES 300						
301 GENET BREED FORST TRE	146	80.9	6,419,391	16,686,187	*	*
302 IMP FOREST ENG SYS	66	35.3	3,840,590	6,414,601	*	*
303 ECON TIMBER PRODUCTN	94	39.2	3,071,445	6,721,551	*	*
304 IMP BIO EFF FRT & VEGS	1133	430.3	31,722,878	89,820,848	*	*
305 MECH PROD FRT & VEGS	92	28.0	1,546,148	5,447,738	*	*
306 PROD MGMT SYS F & V	134	28.4	1,197,100	5,494,847	*	*
307 IMP BIO EFF FLD CRP	1680	803.8	68,462,048	166,083,219	*	*
308 MECH PROD FIELD CROPS	112	43.1	2,992,768	7,680,214	*	*
309 PROD MGMT SYS FLD CRP	427	133.5	8,836,266	24,471,742	*	*
310 ANIMAL REPRODUCTION	678	252.4	22,017,049	75,998,936	*	*
311 IMP BIO EFF ANML PR	1363	595.7	45,771,378	174,790,022	*	*
312 ENV STRESS IN ANML PR	205	65.6	3,842,081	14,737,377	*	*
313 PROD MGMT SYS ANML PR	275	70.9	3,815,811	17,714,931	*	*
314 BEES OTH POLLNTNG INS	67	40.3	4,366,976	6,628,266	*	*
315 IMP STRUC FARM SUPP	98	39.4	987,434	6,537,259	*	*
316 FARM BUSINESS MGMT	155	54.1	2,111,885	7,431,369	*	*
317 MECH/STRUCTS ANML PRD	27	5.2	104,773	1,136,120	*	*
318 NON COM BIO TECH/BIMET	1793	711.8	56,519,735	166,105,658	*	*
SUBTOTAL		3457.9	267,625,757	799,900,885	*	*
SERIES 400						
401 NEW IMP FOREST PROD	353	207.0	22,370,816	43,116,648	*	*
402 PROD F & V IMP ACCEPT	331	79.7	6,239,611	15,676,268	*	*
403 NEW & IMP F & V PROD	191	87.2	5,441,744	14,680,596	*	*
404 MKT QUAL FRTS & VEGS	255	143.8	15,238,384	25,069,668	*	*
405 PROD FLD CROP IMP ACPT	378	169.8	15,849,358	32,511,818	*	*
406 NEW IMP FOOD FLD CROP	172	79.0	8,862,881	14,725,503	*	*
407 NEW IMP NON FOOD FC	149	116.3	17,661,070	21,926,458	*	*
408 MKT QUAL FIELD CROPS	134	84.7	8,712,522	12,834,589	*	*
409 PROD ANML PR IMP ACCP	168	68.8	5,355,708	17,060,730	*	*
410 IMP MEAT MILK EGG PR	260	118.7	7,630,282	22,708,577	*	*
411 IMP NON FOOD ANML PR	32	18.5	2,825,623	3,582,510	*	*
412 MKT QUAL ANIMAL PROD	90	29.6	2,074,715	5,802,562	*	*
SUBTOTAL		1203.0	118,262,715	229,695,925	*	*
SERIES 500						
501 IMP GRADES & STANDS	67	28.1	3,472,394	4,984,165	*	*
502 MKTG TIMBER PRODUCTS	41	13.1	692,508	1,896,436	*	*
503 MKTG EFF AGRI PRODS	164	61.9	3,963,145	9,446,592	*	*
506 SPLY DEMAND AND PRIC	228	128.2	10,520,081	18,489,525	*	*
507 COMP REL IN AGRIC	64	23.4	2,792,876	3,872,378	*	*
508 DOMESTIC MKT DEVELP	62	16.3	861,966	2,657,298	*	*
509 PERFORMANCE MKTG SYS	161	75.8	6,784,491	10,706,711	*	*
510 GROUP ACT MKT POWER	24	9.2	838,460	1,265,401	*	*
511 IMP AGRIC STATISTICS	42	8.5	286,548	2,537,679	*	*
512 IMP GRADES FRST PROD	18	10.4	1,678,180	1,574,453	*	*
513 PRICE ANAL FRST PROD	37	25.9	3,052,273	3,980,275	*	*
SUBTOTAL		400.5	34,942,922	61,410,914	*	*
SERIES 600						
601 FGN MKT DEVELP	175	167.9	16,513,754	25,147,438	*	*
602 EVAL FGN FOOD AID PGM	5	1.9	91,580	350,843	*	*
603 TECH AID DEV CRTY	55	29.6	337,608	9,660,139	*	*
604 PRD DVLPMT/MKTG FRGN	37	12.6	1,042,646	2,373,575	*	*
SUBTOTAL		212.0	17,985,588	37,531,996	*	*
SERIES 700						
701 TOX RES IN FOOD	164	66.6	8,496,698	14,642,493	*	*
702 FOOD PROT FROM TOX	226	132.3	17,036,561	27,487,700	*	*
703 FOOD CONSUMP HABITS	148	55.3	3,682,253	8,426,543	*	*
704 HOME COMM FOOD SERV	28	8.0	262,883	1,116,297	*	*
705 SEL CARE CLOTH & TEXTL	83	20.0	801,717	2,591,872	*	*
706 CONTR INSECTS AFF MAN	135	57.6	4,167,504	10,532,616	*	*
707 TRANS ANIML MAN DIS	40	13.5	210,211	2,718,033	*	*
708 HUMAN NUTRITION	513	226.4	52,425,852	76,665,238	*	*
709 REDUCE HAZ HLTH & SFTY	86	37.5	5,196,123	8,190,193	*	*
SUBTOTAL		617.2	92,279,802	152,370,984	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL USDA - SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 800						
801 RURAL HOUSING	63	18.7	1,560,820	3,206,702	*	*
802 INDIV & FAM DEC MAKING	217	68.7	1,760,689	7,091,592	*	*
803 RURAL POVERTY	23	3.3	162,857	615,338	*	*
804 ECON POTENT RURL PEO	107	35.7	3,283,726	4,874,751	*	*
805 COMMUNICAT EDUC PROC	143	53.7	1,245,416	6,901,322	*	*
806 ADJUSTMENT TO CHANGE	200	68.7	2,691,267	9,037,706	*	*
807 AGRIC ECONOMIC CHANGE	183	101.7	6,985,763	13,427,526	*	*
808 GOVT PROGRAMS	64	31.3	2,375,742	4,446,286	*	*
SUBTOTAL		382.0	20,066,280	49,601,224	*	*
SERIES 900						
901 ALLEV POLLUTION	573	227.3	19,737,375	49,953,361	*	*
902 OUTDOOR RECREATION	147	52.9	3,287,221	8,488,039	*	*
903 MULTI USE FOREST POTEN	115	44.1	2,725,857	7,114,117	*	*
904 WLDLFE AND FISH ECOL	727	310.3	22,229,709	68,195,783	*	*
905 TREES BEAUTIFICATION	117	29.1	4,599,670	7,764,905	*	*
906 ORNAMENT & TURF DEV	568	206.1	9,498,121	38,583,888	*	*
907 RURAL INCOME IMP	127	45.1	2,369,941	5,672,739	*	*
908 RURAL INSTITUT IMP	162	51.2	3,491,295	7,910,935	*	*
990 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	*	*
SUBTOTAL		970.1	73,747,976	199,492,554	*	*
SCIENCE IN SERV OF MAN						
GRAND TOTAL		11773.6	1,025,115,710	2,445,835,898	*	*

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1279	494.8	39,840,239	97,734,450	*	*
0200 WATER	911	335.1	27,703,899	64,442,466	*	*
0300 WATERSHEDS RIVER BAS	257	126.1	18,107,135	24,784,178	*	*
0400 AIR AND CLIMATE	114	31.9	1,863,984	6,629,003	*	*
0500 RECREATION RESOURCES	116	47.3	3,545,923	7,944,369	*	*
0600 TIMBER FORST PRODUCT	1553	986.6	129,754,902	194,935,924	*	*
0700 RANGE	397	195.4	17,968,133	34,111,573	*	*
0800 WILDLIFE AND FISH	705	314.6	22,149,018	71,008,137	*	*
0900 CITRUS SUB TROP FRUT	401	204.9	20,002,730	40,373,136	*	*
1000 FRUIT NUTS DECIDUOUS	1141	450.1	34,580,502	93,837,146	*	*
1100 POTATOES	403	129.2	13,255,901	27,599,599	*	*
1200 VEGETABLES	1545	569.7	38,571,349	109,392,333	*	*
1300 ORNAMENTALS TURF	620	232.6	12,003,142	45,157,698	*	*
1400 CORN	1111	376.0	36,036,703	71,222,825	*	*
1500 GRAIN SORGHUM	335	79.8	4,588,345	16,305,253	*	*
1600 RICE	189	69.3	4,844,407	15,071,064	*	*
1700 WHEAT	900	344.4	27,130,548	59,789,689	*	*
1800 OTHER SMALL GRAINS	442	124.7	8,957,553	23,012,627	*	*
1900 PASTURE	156	48.1	5,863,325	9,503,406	*	*
2000 FORAGE CROPS	947	317.8	26,791,583	60,845,070	*	*
2100 COTTON	482	285.6	35,528,102	54,367,199	*	*
2200 COTTONSEED	25	17.8	2,579,490	2,765,526	*	*
2300 SOYBEANS	1052	379.2	33,653,146	69,935,595	*	*
2400 PEANUTS	193	76.3	6,169,812	13,867,557	*	*
2500 OTHER OILSEED CROPS	153	48.4	5,523,405	9,443,217	*	*
2600 TOBACCO	183	79.8	6,695,673	17,379,680	*	*
2700 SUGAR CROPS	167	82.1	9,506,800	16,719,912	*	*
2800 MISC NEW CROPS	230	83.3	7,547,922	16,592,891	*	*
2900 POULTRY	749	323.4	29,407,771	73,248,787	*	*
3000 BEEF CATTLE	1418	557.0	49,736,279	142,049,306	*	*
3100 DAIRY CATTLE	1212	442.2	41,006,681	115,573,168	*	*
3200 SWINE	722	254.9	33,748,757	73,836,718	*	*
3300 SHEEP AND WOOL	413	121.6	12,356,554	30,228,473	*	*
3400 OTHER ANIMALS	330	87.8	4,838,801	22,713,455	*	*
3500 BEES AND HONEY	67	40.3	4,366,976	6,628,266	*	*
3600 FARM SUPP & FACILITS	93	33.6	1,328,273	5,464,419	*	*
3700 CLOTHING & TEXTILES	82	22.0	436,732	2,720,042	*	*
3800 FOOD	464	227.2	18,279,670	47,474,367	*	*
3900 HOUSING & EQUIP	150	51.5	2,776,192	8,957,716	*	*
4000 PEOPLE AS INDIVIDUALS	692	244.4	47,727,218	69,880,398	*	*
4100 FAMILY MEMBERS	277	97.2	3,158,870	10,978,255	*	*
4200 FARM AS BUSINESS	201	75.8	2,748,109	9,951,076	*	*
4300 SOC POLIT ORGANIZ	367	141.3	6,938,751	22,048,464	*	*
4400 AGRIC ECONOMY U S	203	135.6	10,860,877	19,013,695	*	*
4500 AGRIC ECONOMY FORGN	96	143.0	12,829,799	20,796,397	*	*
4600 FARM COOPERATIVES	33	13.1	1,085,792	1,776,238	*	*
4700 OTH MARKET PROCESS	20	4.5	114,278	522,652	*	*
4800 MARKETING SYSTEMS	70	35.5	3,337,504	5,159,457	*	*
6100 WEEDS	192	66.2	7,031,881	13,175,313	*	*
6200 SEED RESEARCH	67	27.9	1,533,307	6,291,436	*	*
6300 BIO CELL SYSTEMS	293	110.1	4,111,292	28,119,275	*	*
6400 EXP DESIGN/STAT METHOD	108	41.1	369,984	6,851,278	*	*
6500 INVERTEBRATES	563	225.0	18,115,797	42,417,004	*	*
6600 MICROORGANISMS VIRUSES	615	203.2	14,745,089	46,361,383	*	*
6700 PLANTS	1081	347.3	33,011,768	81,134,525	*	*
6800 ANIMALS(VERTEBRATES)	392	134.9	5,133,718	33,182,365	*	*
6900 RESEARCH ON RSCH MGMT	46	18.9	1,219,275	15,820,641	*	*
7000 RSCH EQUIP & TECHNOLOGY	141	56.4	4,614,710	12,765,404	*	*
9900 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	*	*
TOTAL		10818.3	983,543,164	2,255,720,287	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	228	86.4	3,264,334	17,113,295	*	*
102 SOIL PLNT WTR NUTRI	960	437.8	36,642,289	84,423,381	*	*
103 MGMT OF SALINE SOILS	87	31.8	2,393,094	7,227,776	*	*
104 ALTERN USE OF LAND	143	55.0	4,666,851	8,931,067	*	*
105 CONSERV USE OF WATER	438	170.3	14,862,384	31,323,916	*	*
106 DRAIN AND IRRIGATION	137	68.6	3,995,430	14,060,806	*	*
107 WATERSHED PROT & MGMT	300	190.8	26,856,400	36,067,679	*	*
108 ECON LEG PROB OF WAT	77	29.7	1,268,831	3,742,822	*	*
109 WEATHER ADAPT & MOD	153	51.6	2,647,061	9,233,251	*	*
110 APPRAIS FORST & RANGS	137	84.5	14,991,747	21,155,874	*	*
111 BIOL CULT MGMT FORSTS	416	256.3	27,529,791	44,318,483	*	*
112 IMPROV RANGE RESOR	236	102.5	9,851,110	19,288,363	*	*
113 REMOTE SENSING	77	33.0	3,997,817	7,283,908	*	*
114 RSCH ON MGMT OF RSCH	46	18.9	1,219,275	15,820,641	*	*
SUBTOTAL		1617.2	154,186,414	319,991,261	*	*
SERIES 200						
201 CNTRL FORST INSECTS	245	118.5	17,786,826	23,856,006	*	*
202 CONTROL FOREST DIS	173	76.6	10,454,271	15,412,572	*	*
203 FOREST FIRE PROTECT	36	38.7	6,389,664	7,051,908	*	*
204 CNTR PESTS FRT & VEGS	655	216.4	20,544,198	45,565,948	*	*
205 CNTR DISE FRT & VEG	895	309.8	20,860,927	60,493,281	*	*
206 CNTR WEEDS FRT & VEG	196	48.3	3,108,663	9,431,128	*	*
207 CNTR PESTS FLD CROPS	802	354.4	32,174,554	63,082,888	*	*
208 CNTR DIS FIELD CROPS	882	341.7	24,464,063	60,969,277	*	*
209 CNTR WEEDS FLD CROPS	445	185.9	16,549,350	36,605,484	*	*
210 CONTR PESTS ANIMALS	199	105.0	10,333,540	16,271,157	*	*
211 CONTR DIS ANIMALS	882	394.4	48,784,361	102,803,442	*	*
212 CNTR INTER PARASITES	119	57.3	8,148,755	12,598,222	*	*
213 PROT ANMLS FROM TOXINS	100	60.1	5,663,466	11,363,448	*	*
214 PROTECT FROM POLLUTION	220	84.7	11,312,743	22,312,185	*	*
SUBTOTAL		2391.9	236,575,380	487,816,946	*	*
SERIES 300						
301 GENET BREED FORST TRE	113	61.8	5,827,103	12,499,427	*	*
302 IMP FOREST ENG SYS	48	29.7	3,693,072	5,324,096	*	*
303 ECON TIMBER PRODUCTN	80	34.9	2,979,639	5,898,832	*	*
304 IMP BIO EFF FRT & VEGS	1107	409.1	29,561,678	87,500,805	*	*
305 MECH PROD FRT & VEGS	92	28.0	1,546,148	5,447,738	*	*
306 PROD MGMT SYS F & V	133	28.0	1,110,511	5,408,257	*	*
307 IMP BIO EFF FLD CRP	1642	787.9	65,880,925	163,077,359	*	*
308 MECH PROD FIELD CROPS	111	42.7	2,904,429	7,591,875	*	*
309 PROD MGMT SYS FLD CRP	425	131.2	8,578,534	24,213,330	*	*
310 ANIMAL REPRODUCTION	603	218.5	20,136,942	67,931,765	*	*
311 IMP BIO EFF ANML PR	1238	541.3	41,759,624	162,297,851	*	*
312 ENV STRESS IN ANML PR	179	53.6	3,572,394	12,990,637	*	*
313 PROD MGMT SYS ANML PR	272	70.4	3,695,423	17,552,282	*	*
314 BEES OTH POLLNTNG INS	67	40.3	4,366,976	6,628,266	*	*
315 IMP STRUC FARM SUPP	98	39.4	987,434	6,537,259	*	*
316 FARM BUSINESS MGMT	149	51.3	1,744,588	7,060,027	*	*
317 MECH/STRUCTS ANML PRD	27	5.2	104,773	1,136,120	*	*
318 NON COM BIO TECH/EIMET	1661	664.2	50,837,906	155,991,364	*	*
SUBTOTAL		3237.5	249,288,097	754,987,293	*	*
SERIES 400						
401 NEW IMP FOREST PROD	250	154.9	21,172,523	33,985,282	*	*
402 PROD F & V IMP ACCEPT	329	79.3	6,171,334	15,607,990	*	*
403 NEW & IMP F & V PROD	188	86.1	5,331,530	14,566,096	*	*
404 MKT QUAL FRTS & VEGS	254	143.2	15,186,948	25,018,232	*	*
405 PROD FLD CROP IMP ACPT	377	169.8	15,842,389	32,504,848	*	*
406 NEW IMP FOOD FLD CROP	168	77.6	8,702,818	14,543,323	*	*
407 NEW IMP NON FOOD FC	146	115.0	17,602,338	21,846,656	*	*
408 MKT QUAL FIELD CROPS	131	82.9	8,470,797	12,588,113	*	*
409 PROD ANML PR IMP ACCP	159	65.1	5,224,175	16,735,519	*	*
410 IMP MEAT MILK EGG PR	255	115.6	7,208,963	22,217,653	*	*
411 IMP NON FOOD ANML PR	28	17.5	2,750,491	3,503,824	*	*
412 MKT QUAL ANIMAL PROD	86	28.6	2,062,215	5,459,061	*	*
SUBTOTAL		1136.6	115,726,522	218,576,597	*	*
SERIES 500						
501 IMP GRADES & STANDS	67	28.1	3,472,394	4,984,165	*	*
502 MKTG TIMBER PRODUCTS	34	9.1	514,393	1,270,016	*	*
503 MKTG EFF AGRI PROIS	164	61.9	3,963,145	9,446,592	*	*
506 SPLY DEMAND AND PRIC	224	126.7	10,292,018	18,260,793	*	*
507 COMP REL IN AGRIC	63	23.1	2,726,027	3,805,530	*	*
508 DOMESTIC MKT DEVELP	58	14.7	598,563	2,393,227	*	*
509 PERFORMANCE MKTG SYS	156	74.0	6,501,804	10,414,539	*	*
510 GROUP ACT MKT POWER	24	9.2	838,460	1,265,401	*	*
511 IMP AGRIC STATISTICS	41	8.3	286,548	2,469,079	*	*
512 IMP GRADES FRST PROD	16	9.7	1,653,223	1,478,058	*	*
513 PRICE ANAL FRST PROD	31	24.8	2,996,369	3,874,876	*	*
SUBTOTAL		389.5	33,842,943	59,662,277	*	*
SERIES 600						
601 FGN MKT DEVELP	172	166.9	16,513,754	24,361,707	*	*
602 EVAL FGN FOOD AID PGM	5	1.9	91,580	350,843	*	*
603 TECH AID DEV CRTY	52	28.1	337,608	9,538,233	*	*
604 PRD DVLPMT/MKTG FRGN	37	12.6	1,042,646	2,373,575	*	*
SUBTOTAL		209.5	17,985,588	36,624,358	*	*
SERIES 700						
701 TOX RES IN FOOD	161	63.5	8,383,698	14,264,119	*	*
702 FOOD PROT FROM TOX	200	130.6	16,756,391	27,182,576	*	*
703 FOOD CONSUMP HABITS	131	48.9	2,897,859	7,631,482	*	*
704 HOME COMM FOOD SERV	28	8.0	262,883	1,116,297	*	*
705 SEL CARE CLOTH & TEXTL	71	16.2	325,422	2,113,617	*	*
706 CONTR INSECTS AFF MAN	135	57.6	4,167,504	10,532,616	*	*
707 TRANS ANIML MAN DIS	30	6.6	135,194	1,197,874	*	*
708 HUMAN NUTRITION	481	214.7	50,809,265	74,813,419	*	*
709 REDUCE HAZ HLTH & SFTY	84	37.0	5,196,123	7,923,953	*	*
SUBTOTAL		583.1	88,934,340	146,775,952	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL SAES - USDA

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 800						
801 RURAL HOUSING	50	15.4	1,141,093	2,783,830	*	*
802 INDIV & FAM DEC MAKING	205	64.4	1,284,768	6,606,839	*	*
803 RURAL POVERTY	20	2.6	99,048	551,409	*	*
804 ECON POTENT RURL EEO	92	29.7	2,457,983	4,000,076	*	*
805 COMMUNICAT EDUC PROC	134	49.3	709,669	6,252,950	*	*
806 ADJUSTMENT TO CHANGE	190	65.5	2,276,972	8,619,916	*	*
807 AGRIC ECONOMIC CHANGE	177	99.4	6,610,943	13,032,749	*	*
808 GOVT PROGRAMS	64	31.3	2,375,742	4,446,286	*	*
SUBTOTAL		357.6	16,956,218	46,294,056	*	*
SERIES 900						
901 ALLEV POLLUTION	539	201.9	19,372,966	44,260,105	*	*
902 OUTDOOR RECREATION	116	47.2	3,178,440	7,420,892	*	*
903 MULTI USE FOREST POTEN	95	40.1	2,571,462	6,340,167	*	*
904 WLDLFE AND FISH ECOL	602	275.7	19,945,314	62,153,633	*	*
905 TREES BEAUTIFICATION	114	28.8	4,541,390	7,677,845	*	*
906 ORNAMENT & TURF DEV	565	204.7	9,298,490	38,382,815	*	*
907 RURAL INCOME IMP	124	44.8	2,346,307	5,609,895	*	*
908 RURAL INSTITUT IMP	155	48.2	2,984,505	7,337,405	*	*
990 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	*	*
SUBTOTAL		895.5	70,047,662	184,991,546	*	*
SCIENCE IN SERV OF MAN						
GRAND TOTAL		10818.3	983,543,164	2,255,720,287	*	*

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL USDA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	245	170.0	32,444,924	32,970,221	0.0	2,028,040
0200 WATER	222	124.6	23,917,077	24,905,102	0.0	1,151,754
0300 WATERSHEDS RIVER BAS	125	94.5	17,296,946	17,920,375	0.0	60,085
0400 AIR AND CLIMATE	11	5.1	1,153,595	1,262,196	0.0	36,000
0500 RECREATION RESOURCES	19	19.9	2,934,441	3,171,141	0.0	8,950
0600 TIMBER FORST PRODUCT	531	591.9	116,991,827	122,694,162	0.0	4,368,675
0700 RANGE	140	96.6	15,723,874	17,240,135	0.0	527,348
0800 WILDLIFE AND FISH	104	60.1	18,541,033	19,293,055	0.0	4,770,444
0900 CITRUS SUB TROP FRUT	123	88.0	18,625,084	18,863,531	0.0	1,620,916
1000 FRUIT NUTS DECIDUOUS	208	130.8	26,287,178	27,141,019	0.0	2,361,372
1100 POTATOES	105	42.1	11,124,587	11,137,882	0.0	2,436,446
1200 VEGETABLES	285	142.1	27,841,966	28,049,037	0.0	3,025,008
1300 ORNAMENTALS TURF	71	24.6	7,213,231	7,289,790	0.0	683,186
1400 CORN	254	175.5	30,963,903	31,209,635	0.0	2,943,551
1500 GRAIN SORGHUM	52	16.9	3,583,182	3,632,357	0.0	188,022
1600 RICE	45	19.1	4,202,583	4,207,756	0.0	785,115
1700 WHEAT	222	141.0	23,573,101	23,684,710	0.0	1,886,658
1800 OTHER SMALL GRAINS	95	42.9	7,227,329	7,291,626	0.0	615,133
1900 PASTURE	45	25.2	4,928,504	4,928,504	0.0	72,411
2000 FORAGE CROPS	185	114.8	20,596,674	20,599,959	0.0	881,589
2100 COTTON	166	182.9	33,131,348	33,790,491	0.0	600,254
2200 COTTONSEED	17	17.0	2,556,442	2,559,094	0.0	0
2300 SOYBEANS	224	171.3	28,423,283	28,768,640	0.0	1,702,116
2400 PEANUTS	50	37.0	5,427,876	5,439,127	0.0	119,789
2500 OTHER OILSEED CROPS	43	16.6	4,640,031	4,683,766	0.0	1,567,668
2600 TOBACCO	34	28.7	5,721,131	5,727,102	0.0	15,860
2700 SUGAR CROPS	43	44.0	8,524,293	9,201,164	0.0	117,386
2800 MISC NEW CROPS	62	40.3	6,655,844	7,558,271	0.0	878,533
2900 POULTRY	125	99.4	21,952,458	22,196,104	0.0	1,765,308
3000 BEEF CATTLE	256	161.5	38,308,132	38,586,198	0.0	4,693,931
3100 DAIRY CATTLE	190	128.2	29,717,898	29,849,875	0.0	2,672,468
3200 SWINE	124	90.5	26,947,654	26,955,012	0.0	2,258,315
3300 SHEEP AND WOOL	82	38.4	9,684,623	9,693,009	0.0	911,393
3400 OTHER ANIMALS	36	10.7	2,978,401	2,999,050	0.0	860,673
3500 BEES AND HONEY	24	28.4	4,166,891	4,203,578	0.0	0
3600 FARM SUPP & FACILITS	5	7.0	889,017	889,017	0.0	37,457
3800 FOOD	70	67.3	14,187,091	14,237,406	0.0	1,287,998
3900 HOUSING & EQUIP	16	6.7	1,540,508	1,605,351	0.0	162,320
4000 PEOPLE AS INDIVIDUALS	170	89.7	45,124,994	45,260,026	0.0	900,633
4100 FAMILY MEMBERS	12	9.2	1,924,810	1,924,810	0.0	445,560
4200 FARM AS BUSINESS	10	7.0	1,316,274	1,316,274	0.0	307,524
4300 SOC POLIT ORGANIZ	24	28.8	4,080,021	4,080,021	0.0	490,721
4400 AGRIC ECONOMY U S	49	79.9	9,667,090	9,667,090	0.0	754,420
4500 AGRIC ECONOMY FORGN	45	110.0	12,666,094	12,666,094	0.0	715,534
4600 FARM COOPERATIVES	6	7.5	963,764	963,764	0.0	27,018
4800 MARKETING SYSTEMS	10	18.8	2,902,607	2,902,607	0.0	164,579
6100 WEEDS	67	34.9	6,183,038	6,285,819	0.0	110,556
6200 SEED RESEARCH	9	8.3	1,196,677	1,197,990	0.0	6,800
6300 BIO CELL SYSTEMS	26	12.1	2,482,327	2,487,978	0.0	122,996
6400 EXP DESIGN/STAT METHOD	1	0.0	5,638	5,638	0.0	5,638
6500 INVERTEBRATES	137	74.5	15,413,577	15,573,384	0.0	1,977,419
6600 MICROORGANISMS VIRUSES	143	46.1	12,232,495	12,452,187	0.0	3,663,826
6700 PLANTS	276	86.3	28,694,530	29,819,021	0.0	8,386,416
6800 ANIMALS(VERTEBRATES)	36	7.7	2,972,403	3,008,483	0.0	1,355,346
6900 RESEARCH ON RSCH MGMT	8	1.5	385,948	385,948	0.0	85,378
7000 RSCH EQUIP & TECHNOLOGY	27	14.6	4,004,320	4,004,320	0.0	562,474
9900 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	0.0	0
TOTAL		3942.4	818,649,355	836,244,693	0.0	70,185,012

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL USDA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	23	7.4	1,746,711	1,809,522	0.0	383,728
102 SOIL PLNT WTR NUTRI	191	170.1	30,518,600	30,984,895	0.0	813,055
103 MGMT OF SALINE SOILS	15	9.2	2,049,913	2,092,590	0.0	179,882
104 ALTERN USE OF LAND	25	28.7	3,862,275	3,918,779	0.0	143,600
105 CONSERV USE OF WATER	114	76.4	13,212,698	13,917,736	0.0	406,580
106 DRAIN AND IRRIGATION	18	20.5	3,342,839	3,455,582	0.0	56,096
107 WATERSHED PROT & MGMT	141	136.3	25,759,632	26,454,343	0.0	410,935
108 ECON LEG PROB OF WAT	3	7.4	903,000	903,000	0.0	0
109 WEATHER ADAPT & MOD	20	9.6	1,700,498	1,790,403	0.0	314,000
110 APPRAIS FORST & RANGS	32	48.4	14,076,095	14,627,622	0.0	43,200
111 BIOL CULT MGMT FORSTS	143	157.6	23,939,729	25,149,493	0.0	148,000
112 IMPROV RANGE RESOR	63	45.5	8,378,700	8,532,874	0.0	332,232
113 REMOTE SENSING	22	15.0	3,577,442	3,963,290	0.0	118,500
114 RSCH ON MGMT OF RSCH	8	1.5	385,948	385,948	0.0	85,378
SUBTOTAL		733.7	133,454,080	137,986,078	0.0	3,435,186
SERIES 200						
201 CNTRL FORST INSECTS	101	86.2	16,535,348	16,658,091	0.0	187,200
202 CONTROL FOREST DIS	59	45.3	9,378,221	9,850,473	0.0	220,000
203 FOREST FIRE PROTECT	31	37.3	6,343,179	6,757,145	0.0	0
204 CNTR PESTS FRT & VEGS	174	78.8	16,952,562	17,399,843	0.0	1,048,543
205 CNTR DISE FRT & VEG	194	79.8	16,214,477	16,631,318	0.0	2,964,373
206 CNTR WEEDS FRT & VEG	40	9.9	2,090,508	2,186,536	0.0	204,659
207 CNTR PESTS FLD CROPS	222	167.2	27,272,359	29,027,207	0.0	1,803,541
208 CNTR DIS FIELD CROPS	198	117.3	19,216,462	19,555,539	0.0	1,121,097
209 CNTR WEEDS FLD CROPS	124	77.7	13,656,138	13,854,611	0.0	862,283
210 CONTR PESTS ANIMALS	62	60.1	9,302,647	9,386,344	0.0	883,293
211 CONTR DIS ANIMALS	160	138.2	41,998,034	42,501,649	0.0	5,142,092
212 CNTR INTER PARASITES	31	29.3	7,326,621	7,345,235	0.0	492,996
213 PROT ANMLS FROM TCKINS	20	29.4	4,978,580	4,978,580	0.0	253,742
214 PROTECT FROM POLLUTION	44	31.2	9,731,654	9,827,019	0.0	1,329,318
SUBTOTAL		987.7	200,996,788	205,959,591	0.0	16,513,138
SERIES 300						
301 GENET BREED FORST TRE	27	24.7	4,636,494	5,004,098	0.0	25,200
302 IMP FOREST ENG SYS	18	20.8	3,469,936	3,547,862	0.0	405,554
303 ECON TIMBER PRODUCTN	23	15.3	2,203,209	2,446,411	0.0	215,246
304 IMP BIO EFF FRT & VEGS	185	85.8	21,757,348	21,890,542	0.0	2,965,310
305 MECH PROD FRT & VEGS	9	3.1	770,854	771,708	0.0	63,279
306 PROD MGMT SYS F & V	9	1.0	503,291	503,291	0.0	281,116
307 IMP BIO EFF FLD CRP	389	281.6	54,517,712	55,629,665	0.0	3,973,711
308 MECH PROD FIELD CROPS	17	13.7	2,171,829	2,175,549	0.0	216,535
309 PROD MGMT SYS FLD CRP	69	36.9	6,536,807	6,537,901	0.0	186,624
310 ANIMAL REPRODUCTION	78	29.9	12,860,422	12,860,422	0.0	3,013,803
311 IMP BIO EFF ANML PR	146	92.2	25,997,642	26,025,874	0.0	1,991,453
312 ENV STRESS IN ANML PR	18	9.7	2,069,749	2,069,749	0.0	93,700
313 PROD MGMT SYS ANML PR	17	8.3	1,728,598	1,728,598	0.0	387,225
314 BEES OTH POLLNTNG INS	24	28.4	4,166,891	4,203,578	0.0	0
315 IMP STRUC FARM SUPP	2	0.0	64,500	64,500	0.0	64,500
316 FARM BUSINESS MGMT	7	4.3	824,086	824,086	0.0	159,636
318 NON COM BIO TECH/BIMET	338	142.3	43,124,703	43,718,602	0.0	9,905,811
SUBTOTAL		798.0	187,404,071	190,002,437	0.0	23,948,705
SERIES 400						
401 NEW IMP FOREST PROD	82	86.8	19,778,282	21,657,530	0.0	1,318,972
402 PROD F & V IMP ACCEPT	69	30.3	5,197,304	5,281,015	0.0	565,743
403 NEW & IMP F & V PROD	21	27.8	4,193,097	4,193,097	0.0	101,289
404 MKT QUAL FRTS & VEGS	86	84.2	13,654,440	13,996,605	0.0	800,252
405 PROD FLD CROP IMP ACPT	110	89.1	14,156,738	14,210,036	0.0	305,655
406 NEW IMP FOOD FLD CROP	27	36.1	7,686,059	7,689,417	0.0	1,379,407
407 NEW IMP NON FOOD FC	62	89.8	17,126,461	17,143,215	0.0	1,717,223
408 MKT QUAL FIELD CROPS	48	54.7	7,884,662	7,931,549	0.0	63,702
409 PROD ANML PR IMP ACCP	18	13.4	3,353,000	3,366,975	0.0	240,670
410 IMP MEAT MILK EGG PR	17	29.8	4,959,148	4,999,148	0.0	164,004
411 IMP NON FOOD ANML PR	10	11.5	2,617,906	2,617,906	0.0	0
412 MKT QUAL ANIMAL PROD	8	10.0	1,510,821	1,510,821	0.0	9,625
SUBTOTAL		563.5	102,117,917	104,597,314	0.0	6,666,542
SERIES 500						
501 IMP GRADES & STANDS	17	17.4	3,236,747	3,236,747	0.0	43,027
502 MKTG TIMBER PRODUCTS	3	0.6	335,275	335,275	0.0	90,123
503 MKTG EFF AGRI PRODS	21	16.5	2,931,378	2,950,061	0.0	388,546
506 SPLY DEMAND AND PRIC	38	68.4	8,749,441	8,850,441	0.0	485,181
507 COMP REL IN AGRIC	8	13.4	2,470,526	2,470,526	0.0	82,926
508 DOMESTIC MKT DEVELP	5	2.2	340,700	340,700	0.0	75,650
509 PERFORMANCE MKTG SYS	17	36.5	5,287,778	5,420,778	0.0	255,865
510 GROUP ACT MKT POWER	5	5.3	741,327	741,327	0.0	68,066
511 IMP AGRIC STATISTICS	2	0.0	102,638	102,638	0.0	102,638
512 IMP GRADES FRST PROD	8	8.9	1,586,374	1,668,780	0.0	552,132
513 PRICE ANAL FRST PROD	13	18.5	2,842,268	2,959,465	0.0	0
SUBTOTAL		187.8	28,624,452	29,076,739	0.0	2,144,155
SERIES 600						
601 FGN MKT DEVELP	61	116.4	15,698,571	15,715,662	0.0	2,874,432
602 EVAL FGN FOOD AID PGM	1	0.7	90,900	90,900	0.0	0
603 TECH AID DEV CRTY	4	1.6	225,344	225,344	0.0	9,507
604 PRD DVLPMT/MKTG FRGN	9	4.6	849,084	849,084	0.0	113,194
SUBTOTAL		123.4	16,863,899	16,880,990	0.0	2,997,133
SERIES 700						
701 TOX RES IN FOOD	59	18.5	7,240,172	7,252,680	0.0	2,642,107
702 FOOD PROT FROM TOX	52	80.1	15,290,830	15,326,847	0.0	1,157,714
703 FOOD CONSUMP HABITS	16	15.7	2,177,619	2,177,619	0.0	81,054
706 CONTR INSECTS AFF MAN	27	20.1	3,465,366	3,547,056	0.0	158,572
707 TRANS ANIML MAN DIS	6	0.8	104,649	129,746	0.0	0
708 HUMAN NUTRITION	158	93.9	48,325,150	48,386,873	0.0	1,592,665
709 REDUCE HAZ HLTH & SFTY	23	22.7	4,916,620	5,330,271	0.0	2,942
SUBTOTAL		251.8	81,520,406	82,151,092	0.0	5,635,054

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL USDA RESEARCH AGENCIES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 800						
801 RURAL HOUSING	4	5.2	946,847	1,011,690	0.0	0
802 INDIV & FAM DEC MAKING	8	4.5	591,610	591,610	0.0	18,960
803 RURAL POVERTY	2	0.0	52,140	52,140	0.0	52,140
804 ECON POTENT RURL REO	12	10.9	1,867,220	1,867,220	0.0	132,720
805 COMMUNICAT EDUC PROC	5	1.7	275,213	275,213	0.0	7,313
806 ADJUSTMENT TO CHANGE	7	5.8	1,226,060	1,226,060	0.0	18,960
807 AGRIC ECONOMIC CHANGE	34	42.9	5,319,752	5,319,752	0.0	256,852
808 GOVT PROGRAMS	15	16.6	2,031,935	2,031,935	0.0	301,085
SUBTOTAL		87.6	12,310,777	12,375,620	0.0	788,030
SERIES 900						
901 ALLEV POLLUTION	103	57.6	15,857,127	16,231,033	0.0	2,382,838
902 OUTDOOR RECREATION	18	18.8	2,581,558	2,809,252	0.0	8,950
903 MULTI USE FOREST POTEN	17	16.3	1,743,109	2,153,101	0.0	0
904 WLDLFE AND FISH ECOL	89	60.5	17,103,054	17,852,956	0.0	4,593,414
905 TREES BEAUTIFICATION	20	7.6	4,052,148	4,069,465	0.0	10,800
906 ORNAMENT & TURF DEV	63	22.9	5,066,761	5,145,820	0.0	643,946
907 RURAL INCOME IMP	10	7.5	1,329,620	1,329,620	0.0	298,620
908 RURAL INSTITUT IMP	13	13.9	1,814,800	1,814,800	0.0	118,500
990 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	0.0	0
SUBTOTAL		209.0	55,356,965	57,214,834	0.0	8,057,068
SCIENCE IN SERV OF MAN						
GRAND TOTAL		3942.4	818,649,355	836,244,693	0.0	70,185,012

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- AGRICULTURAL COOPERATIVE SERVICE ACS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
4600 FARM COOPERATIVES	5	7.5	936,746	936,746	0.0	0
TOTAL		7.5	936,746	936,746	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- AGRICULTURAL COOPERATIVE SERVICE ACS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 500						
509 PERFORMANCE MKTG SYS	2	2.2	263,485	263,485	0.0	0
510 GROUP ACT MKT POWER	3	5.3	673,261	673,261	0.0	0
SUBTOTAL		7.5	936,746	936,746	0.0	0
SCIENCE IN SERV OF MAN GRAND TOTAL		7.5	936,746	936,746	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- AGRICULTURAL RESEARCH SERVICE ARS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	180	133.2	25,058,847	25,461,415	0.0	362,696
0200 WATER	181	103.1	19,030,546	19,998,029	0.0	191,714
0300 WATERSHEDS RIVER EAS	69	50.2	9,250,484	9,413,033	0.0	5,114
0600 TIMBER FORST PRODUCT	43	20.1	3,940,713	3,994,726	0.0	4,500
0700 RANGE	87	75.3	11,858,992	12,944,778	0.0	30,200
0800 WILDLIFE AND FISH	16	11.7	2,629,102	2,642,682	0.0	7,200
0900 CITRUS SUB TROP FRUT	96	86.3	17,000,073	17,238,521	0.0	660,506
1000 FRUIT NUTS DECIDUCUS	181	129.0	24,213,594	25,067,435	0.0	631,413
1100 POTATOES	63	38.6	8,342,790	8,356,085	0.0	257,448
1200 VEGETABLES	215	141.2	24,341,281	24,548,352	0.0	63,632
1300 ORNAMENTALS TURF	59	23.8	6,416,045	6,492,604	0.0	10,800
1400 CORN	218	172.2	26,486,442	26,732,174	0.0	461,722
1500 GRAIN SORGHUM	44	15.5	3,078,656	3,127,831	0.0	34,484
1600 RICE	39	17.6	3,680,468	3,685,641	0.0	476,000
1700 WHEAT	185	136.8	21,213,983	21,325,593	0.0	251,190
1800 OTHER SMALL GRAINS	81	41.0	6,510,193	6,574,490	0.0	180,438
1900 PASTURE	39	24.8	4,809,450	4,809,450	0.0	11,257
2000 FORAGE CROPS	154	113.8	19,608,352	19,611,637	0.0	34,267
2100 COTTON	156	177.4	31,975,110	32,558,254	0.0	120,116
2200 COTTONSEED	14	16.3	2,453,350	2,456,002	0.0	0
2300 SOYBEANS	197	166.8	25,917,991	26,187,348	0.0	350,916
2400 PEANUTS	45	36.1	5,239,787	5,251,039	0.0	50,000
2500 OTHER OILSEED CROPS	34	14.9	3,027,062	3,032,797	0.0	194,253
2600 TOBACCO	32	25.4	5,336,271	5,342,242	0.0	0
2700 SUGAR CROPS	40	39.1	7,717,007	8,393,878	0.0	24,500
2800 MISC NEW CROPS	50	38.1	5,419,961	6,322,388	0.0	61,200
2900 POULTRY	100	94.8	18,724,289	18,967,935	0.0	15,000
3000 BEEF CATTLE	186	153.1	30,694,270	30,932,736	0.0	114,825
3100 DAIRY CATTLE	147	120.7	25,801,855	25,933,832	0.0	52,425
3200 SWINE	99	84.0	23,132,104	23,139,461	0.0	0
3300 SHEEP AND WOOL	66	36.9	8,206,230	8,210,216	0.0	44,900
3400 OTHER ANIMALS	20	10.7	1,261,394	1,282,043	0.0	0
3500 BEES AND HONEY	23	27.2	3,988,291	4,024,978	0.0	0
3800 FOOD	43	36.0	8,959,663	9,009,978	0.0	23,000
3900 HOUSING & EQUIP	8	1.5	431,341	431,341	0.0	0
4000 PEOPLE AS INDIVIDUALS	145	81.8	43,004,158	43,139,190	0.0	190,647
6100 WEEDS	61	34.9	6,072,482	6,175,262	0.0	0
6200 SEED RESEARCH	8	8.3	1,146,861	1,148,174	0.0	6,900
6300 BIO CELL SYSTEMS	18	12.1	1,768,931	1,774,582	0.0	0
6500 INVERTEBRATES	71	72.9	11,264,092	11,422,530	0.0	15,000
6600 MICROORGANISMS VIRUSES	66	46.1	6,027,797	6,247,489	0.0	73,307
6700 PLANTS	137	83.3	14,831,492	15,955,983	0.0	233,607
6800 ANIMALS(VERTEBRATES)	10	7.7	1,179,804	1,215,884	0.0	0
7000 RSCH EQUIP & TECHNOLOGY	19	14.6	2,912,909	2,912,909	0.0	0
9900 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	0.0	0
TOTAL		2778.8	539,773,301	549,301,736	0.0	5,245,079

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- AGRICULTURAL RESEARCH SERVICE AES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	15	7.4	1,371,928	1,434,739	0.0	8,945
102 SOIL PLNT WTR NUTRI	145	147.1	26,748,353	27,097,318	0.0	35,074
103 MGMT OF SALINE SOILS	11	9.2	1,870,031	1,912,708	0.0	0
104 ALTERN USE OF LAND	5	0.9	192,179	214,446	0.0	1,400
105 CONSERV USE OF WATER	100	73.3	12,333,961	13,018,456	0.0	12,874
106 DRAIN AND IRRIGATION	16	20.5	3,317,943	3,430,686	0.0	31,200
107 WATERSHED PROT & MGMT	87	89.9	17,197,360	17,485,011	0.0	213,426
109 WEATHER ADAPT & MOD	16	7.7	1,442,112	1,530,576	0.0	278,000
110 APPRAIS FORST & RANGS	1	0.5	0	26,655	0.0	0
112 IMPROV RANGE RESOR	37	35.3	6,401,991	6,433,065	0.0	30,200
113 REMOTE SENSING	19	15.0	3,073,108	3,458,956	0.0	0
SUBTOTAL		406.9	73,948,966	76,042,618	0.0	611,119
SERIES 200						
201 CNTRL FOREST INSECTS	31	12.6	1,772,742	1,808,822	0.0	12,000
202 CONTROL FOREST DIS	4	1.6	132,377	132,377	0.0	0
204 CNTR PESTS FRT & VEGS	132	78.8	15,897,744	16,345,025	0.0	37,730
205 CNTR DISE FRT & VEG	138	79.8	13,753,032	14,169,873	0.0	1,020,958
206 CNTR WEEDS FRT & VEG	27	9.9	1,820,849	1,916,877	0.0	0
207 CNTR PESTS FLD CROPS	173	167.2	25,541,367	27,274,304	0.0	119,124
208 CNTR DIS FIELD CROPS	163	116.5	18,102,543	18,414,230	0.0	156,300
209 CNTR WEEDS FLD CROPS	104	77.7	12,852,505	13,050,978	0.0	58,650
210 CONTR PESTS ANIMALS	49	60.1	8,419,354	8,503,051	0.0	0
211 CONTR DIS ANIMALS	97	138.2	35,122,917	35,626,532	0.0	56,000
212 CNTR INTER PARASITES	25	29.3	6,833,624	6,852,238	0.0	0
213 PROT ANMLS FROM TOXINS	14	29.4	4,724,838	4,724,838	0.0	0
214 PROTECT FROM POLLUTION	23	18.4	3,367,463	3,443,902	0.0	115,000
SUBTOTAL		819.4	148,341,354	152,263,048	0.0	1,575,762
SERIES 300						
304 IMP BIO EFF FRT & VEGS	143	85.8	18,645,259	18,778,453	0.0	479,331
305 MECH PROD FRT & VEGS	7	3.1	657,673	658,527	0.0	0
306 PROD MGMT SYS F & V	5	1.0	222,175	222,175	0.0	0
307 IMP BIO EFF FLD CRP	334	281.6	49,617,137	50,729,090	0.0	1,063,353
308 MECH PROD FIELD CROPS	15	13.7	2,115,139	2,118,859	0.0	159,845
309 PROD MGMT SYS FLD CRP	63	36.9	6,391,233	6,392,327	0.0	41,050
310 ANIMAL REPRODUCTION	45	29.9	7,516,088	7,516,088	0.0	37,000
311 IMP BIO EFF ANML PR	125	92.2	23,537,307	23,565,539	0.0	97,025
312 ENV STRESS IN ANML PR	15	9.7	1,926,049	1,926,349	0.0	0
313 PROD MGMT SYS ANML PR	13	8.3	1,341,373	1,341,373	0.0	0
314 BEES OTH POLLNTNG INS	23	27.2	3,988,291	4,024,978	0.0	0
318 NON COM BIO TECH/EIMET	140	142.3	21,993,557	22,587,456	0.0	72,400
SUBTOTAL		731.8	137,951,281	139,860,914	0.0	1,950,004
SERIES 400						
402 PROD F & V IMP ACCEPT	56	30.3	4,684,964	4,768,676	0.0	53,403
403 NEW & IMP F & V PROD	17	27.8	3,863,697	3,863,697	0.0	36,889
404 MKT QUAL FRTS & VEGS	77	84.2	12,945,438	13,287,603	0.0	91,250
405 PROD FLD CROP IMP ACPT	106	89.1	14,023,168	14,076,466	0.0	202,085
406 NEW IMP FOOD FLD CROP	21	36.1	5,981,657	5,985,015	0.0	0
407 NEW IMP NON FOOD FC	54	89.8	15,384,505	15,401,260	0.0	25,267
408 MKT QUAL FIELD CROPS	47	54.7	7,883,385	7,930,272	0.0	62,425
409 PROD ANML PR IMP ACCP	15	13.4	2,634,445	2,648,420	0.0	25,000
410 IMP MEAT MILK EGG PR	16	29.8	4,795,144	4,835,144	0.0	0
411 IMP NON FOOD ANML PR	9	11.5	2,502,906	2,502,906	0.0	0
412 MKT QUAL ANIMAL PROD	8	10.0	1,510,821	1,510,821	0.0	9,625
SUBTOTAL		476.7	76,210,131	76,810,280	0.0	505,945
SERIES 500						
501 IMP GRADES & STANDS	16	17.4	3,196,220	3,196,220	0.0	2,500
503 MKTG EFF AGRI PRODS	10	5.9	1,071,532	1,090,215	0.0	50,000
508 DOMESTIC MKT DEVELP	1	0.0	4,250	4,250	0.0	0
SUBTOTAL		23.3	4,272,002	4,290,685	0.0	52,500
SERIES 600						
601 FGN MKT DEVELP	7	0.8	113,699	130,790	0.0	0
603 TECH AID DEV CRTY	1	0.3	102,637	102,637	0.0	0
604 PRD DVLPMT/MKTG FRGN	5	3.6	617,390	617,390	0.0	0
SUBTOTAL		4.8	833,725	850,817	0.0	0
SERIES 700						
701 TOX RES IN FOOD	21	17.5	4,390,065	4,402,573	0.0	0
702 FOOD PROT FROM TOX	45	79.0	13,961,116	13,997,133	0.0	0
703 FOOD CONSUMP HABITS	5	5.9	1,053,040	1,053,040	0.0	0
706 CONTR INSECTS AFF MAN	23	20.1	3,306,794	3,388,484	0.0	0
707 TRANS ANIML MAN DIS	6	0.8	104,649	129,746	0.0	0
708 HUMAN NUTRITION	136	80.6	45,790,138	45,951,861	0.0	213,647
709 REDUCE HAZ HLTH & SFTY	22	22.7	4,913,678	5,327,328	0.0	0
SUBTOTAL		226.6	73,519,479	74,150,165	0.0	213,647

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- AGRICULTURAL RESEARCH SERVICE ARS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 800						
802 INDIV & FAM DEC MAKING	5	4.0	525,150	525,150	0.0	0
SUBTOTAL		4.0	525,150	525,150	0.0	0
SERIES 900						
901 ALLEV POLLUTION	55	42.9	8,392,319	8,619,211	0.0	318,100
904 WLDLFE AND FISH ECOL	11	10.1	1,788,717	1,802,297	0.0	7,200
905 TREES BEAUTIFICATION	17	6.4	3,883,373	3,900,689	0.0	10,800
906 ORNAMENT & TURF DEV	52	22.0	4,298,015	4,377,074	0.0	0
990 UNCLASSIFIED	10	4.0	5,808,788	5,808,788	0.0	0
SUBTOTAL		85.4	24,171,212	24,508,059	0.0	336,100
SCIENCE IN SERV OF MAN						
GRAND TOTAL		2778.8	539,773,301	549,301,736	0.0	5,245,079

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- CSRS SPECIAL GRANTS CSRS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	27	0.0	1,665,344	1,665,344	0.0	1,665,344
0200 WATER	17	0.0	1,917,915	1,917,915	0.0	963,040
0300 WATERSHEDS RIVER BAS	2	0.0	54,971	54,971	0.0	54,971
0500 RECREATION RESOURCES	1	0.0	8,950	8,950	0.0	8,950
0600 TIMBER FORST PRODUCT	20	0.0	4,034,175	4,034,175	0.0	4,034,175
0700 RANGE	17	0.0	565,148	565,148	0.0	497,148
0800 WILDLIFE AND FISH	19	0.0	5,057,650	5,057,650	0.0	4,339,244
0900 CITRUS SUB TROP FRUT	23	0.0	910,410	910,410	0.0	910,410
1000 FRUIT NUTS DECIDUCUS	24	0.0	1,729,959	1,729,959	0.0	1,729,959
1100 POTATOES	37	0.0	1,908,998	1,908,998	0.0	1,908,998
1200 VEGETABLES	63	0.0	2,755,174	2,755,174	0.0	2,699,064
1300 ORNAMENTALS TURF	10	0.0	577,644	577,644	0.0	577,644
1400 CORN	15	0.0	2,106,829	2,106,829	0.0	2,106,829
1500 GRAIN SORGHUM	3	0.0	153,538	153,538	0.0	153,538
1600 RICE	2	0.0	189,115	189,115	0.0	189,115
1700 WHEAT	28	0.0	1,385,468	1,385,468	0.0	1,385,468
1800 OTHER SMALL GRAINS	7	0.0	216,695	216,695	0.0	216,695
1900 PASTURE	5	0.0	61,154	61,154	0.0	61,154
2000 FORAGE CROPS	28	0.0	689,322	689,322	0.0	689,322
2100 COTTON	6	0.0	480,138	480,138	0.0	480,138
2300 SOYBEANS	12	0.0	930,200	930,200	0.0	930,200
2400 PEANUTS	3	0.0	69,789	69,789	0.0	69,789
2500 OTHER OILSEED CROPS	5	0.0	1,373,415	1,373,415	0.0	1,373,415
2600 TOBACCO	1	0.0	15,860	15,860	0.0	15,860
2700 SUGAR CROPS	2	0.0	92,886	92,886	0.0	92,886
2800 MISC NEW CROPS	11	0.0	867,333	867,333	0.0	817,333
2900 POULTRY	17	0.0	1,675,308	1,675,308	0.0	1,650,308
3000 BEEF CATTLE	49	0.0	2,832,803	2,832,803	0.0	2,682,806
3100 DAIRY CATTLE	32	0.0	1,832,043	1,832,043	0.0	1,832,043
3200 SWINE	10	0.0	915,237	915,237	0.0	915,237
3300 SHEEP AND WOOL	10	0.0	474,493	474,493	0.0	474,493
3400 OTHER ANIMALS	8	0.0	504,673	504,673	0.0	504,673
3600 FARM SUPP & FACILITS	2	0.0	37,457	37,457	0.0	37,457
3800 FOOD	10	0.0	1,264,998	1,264,998	0.0	1,264,998
3900 HOUSING & EQUIP	4	0.0	162,320	162,320	0.0	162,320
4000 PEOPLE AS INDIVIDUALS	6	0.0	307,986	307,986	0.0	307,986
4100 FAMILY MEMBERS	2	0.0	445,560	445,560	0.0	445,560
4200 FARM AS BUSINESS	4	0.0	307,524	307,524	0.0	307,524
4300 SOC POLIT ORGANIZ	6	0.0	490,721	490,721	0.0	490,721
4400 AGRIC ECONOMY U S	4	0.0	754,420	754,420	0.0	754,420
4500 AGRIC ECONOMY FORGN	5	0.0	715,534	715,534	0.0	715,534
4600 FARM COOPERATIVES	1	0.0	27,018	27,018	0.0	27,018
4800 MARKETING SYSTEMS	5	0.0	164,579	164,579	0.0	164,579
6100 WEEDS	6	0.0	110,556	110,556	0.0	110,556
6300 BIO CELL SYSTEMS	1	0.0	72,996	72,996	0.0	72,996
6400 EXP DESIGN/STAT METHOD	1	0.0	5,638	5,638	0.0	5,638
6500 INVERTEBRATES	14	0.0	403,819	403,819	0.0	403,819
6600 MICROORGANISMS VIRUSES	10	0.0	534,219	534,219	0.0	534,219
6700 PLANTS	44	0.0	4,009,025	4,009,025	0.0	4,009,025
6800 ANIMALS (VERTEBRATES)	20	0.0	830,346	830,346	0.0	830,346
6900 RESEARCH ON RSCH MGMT	4	0.0	85,378	85,378	0.0	85,378
7000 RSCH EQUIP & TECHNOLOGY	7	0.0	1,041,411	1,041,411	0.0	562,474
TOTAL		0.0	49,824,142	49,824,142	0.0	47,319,817

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- CSRS SPECIAL GRANTS CSRS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	8	0.0	374,783	374,783	0.0	374,783
102 SOIL PLNT WTR NUTRI	17	0.0	777,981	777,981	0.0	777,981
103 MGMT OF SALINE SOILS	2	0.0	61,882	61,882	0.0	61,882
104 ALTERN USE OF LAND	1	0.0	142,200	142,200	0.0	142,200
105 CONSERV USE OF WATER	7	0.0	345,706	345,706	0.0	345,706
106 DRAIN AND IRRIGATION	2	0.0	24,896	24,896	0.0	24,896
107 WATERSHED PROT & MGMT	4	0.0	197,509	197,509	0.0	197,509
110 APPRAIS FOEST & RANGS	1	0.0	43,200	43,200	0.0	43,200
111 BIOL CULT MGMT FORSTS	3	0.0	148,000	148,000	0.0	148,000
112 IMPROV RANGE RESOR	9	0.0	370,032	370,032	0.0	302,032
113 REMOTE SENSING	1	0.0	118,500	118,500	0.0	118,500
114 RSCH ON MGMT OF RSCH	4	0.0	85,378	85,378	0.0	85,378
SUBTOTAL		0.0	2,690,067	2,690,067	0.0	2,622,067
SERIES 200						
201 CNTRL FORST INSECTS	1	0.0	25,200	25,200	0.0	25,200
204 CNTR PESTS FRT & VEGS	41	0.0	1,010,812	1,010,812	0.0	1,010,812
205 CNTR DISE FRT & VEG	50	0.0	1,793,414	1,793,414	0.0	1,793,414
206 CNTR WEEDS FRT & VEG	11	0.0	179,659	179,659	0.0	179,659
207 CNTR PESTS FLD CROPS	47	0.0	1,684,417	1,684,417	0.0	1,684,417
208 CNTR DIS FIELD CROPS	31	0.0	964,797	964,797	0.0	964,797
209 CNTR WEEDS FLD CROPS	20	0.0	803,633	803,633	0.0	803,633
210 CONTR PESTS ANIMALS	13	0.0	883,293	883,293	0.0	883,293
211 CONTR DIS ANIMALS	48	0.0	3,950,289	3,950,289	0.0	3,775,292
212 CNTR INTER PARASITES	6	0.0	492,996	492,996	0.0	492,996
213 PROT ANMLS FROM TOXINS	6	0.0	253,742	253,742	0.0	253,742
214 PROTECT FROM POLLUTION	12	0.0	1,164,318	1,164,318	0.0	1,164,318
SUBTOTAL		0.0	13,206,572	13,206,572	0.0	13,031,575
SERIES 300						
301 GENET BREED FORST TRE	1	0.0	25,200	25,200	0.0	25,200
302 IMP FOREST ENG SYS	2	0.0	405,554	405,554	0.0	405,554
303 ECON TIMBER PRODUCTN	2	0.0	215,246	215,246	0.0	215,246
304 IMP BIO EFF FRT & VEGS	30	0.0	1,898,367	1,898,367	0.0	1,842,257
305 MECH PROD FRT & VEGS	1	0.0	63,279	63,279	0.0	63,279
306 PROD MGMT SYS F & V	4	0.0	281,116	281,116	0.0	281,116
307 IMP BIO EFF FLD CRP	18	0.0	1,099,598	1,099,598	0.0	1,099,598
308 MECH PROD FIELD CROPS	2	0.0	56,690	56,690	0.0	56,590
309 PROD MGMT SYS FLD CRP	6	0.0	145,574	145,574	0.0	145,574
310 ANIMAL REPRODUCTION	4	0.0	269,803	269,803	0.0	269,803
311 IMP BIO EFF ANML PR	11	0.0	472,350	472,350	0.0	472,350
312 ENV STRESS IN ANML PR	2	0.0	93,700	93,700	0.0	93,700
313 PROD MGMT SYS ANML PR	4	0.0	387,225	387,225	0.0	387,225
315 IMP STRUC FARM SUPP	2	0.0	64,500	64,500	0.0	64,500
316 FARM BUSINESS MGMT	3	0.0	159,636	159,636	0.0	159,636
318 NON COM BIO TECH/ELMET	12	0.0	2,780,334	2,780,334	0.0	2,301,397
SUBTOTAL		0.0	8,418,174	8,418,174	0.0	7,883,127
SERIES 400						
401 NEW IMP FOREST PROD	8	0.0	1,318,972	1,318,972	0.0	1,318,972
402 PROD F & V IMP ACCEPT	13	0.0	512,340	512,340	0.0	512,340
403 NEW & IMP F & V PROD	2	0.0	64,400	64,400	0.0	64,400
404 MKT QUAL FRTS & VEGS	9	0.0	709,002	709,002	0.0	709,002
405 PROD FLD CROP IMP ACPT	3	0.0	103,570	103,570	0.0	103,570
406 NEW IMP FOOD FLD CROP	3	0.0	1,379,407	1,379,407	0.0	1,379,407
407 NEW IMP NON FOOD FC	8	0.0	1,741,955	1,741,955	0.0	1,691,955
408 MKT QUAL FIELD CROPS	1	0.0	1,277	1,277	0.0	1,277
409 PROD ANML PR IMP ACCP	3	0.0	718,554	718,554	0.0	215,670
410 IMP MEAT MILK EGG PR	1	0.0	164,004	164,004	0.0	164,004
SUBTOTAL		0.0	6,713,481	6,713,481	0.0	6,160,597
SERIES 500						
501 IMP GRADES & STANDS	1	0.0	40,527	40,527	0.0	40,527
502 MKTG TIMBER PRODUCTS	1	0.0	90,123	90,123	0.0	90,123
503 MKTG EFF AGRI PRODS	5	0.0	338,546	338,546	0.0	338,546
506 SPLY DEMAND AND PRIC	5	0.0	485,181	485,181	0.0	485,181
507 COMP REL IN AGRIC	2	0.0	82,926	82,926	0.0	82,926
508 DOMESTIC MKT DEVELP	1	0.0	75,650	75,650	0.0	75,650
509 PERFORMANCE MKTG SYS	4	0.0	255,865	255,865	0.0	255,865
510 GROUP ACT MKT POWER	2	0.0	68,066	68,066	0.0	68,066
511 IMP AGRIC STATISTICS	2	0.0	102,638	102,638	0.0	102,638
512 IMP GRADES FRST PROD	1	0.0	552,132	552,132	0.0	552,132
SUBTOTAL		0.0	2,091,655	2,091,655	0.0	2,091,655
SERIES 600						
601 FGN MKT DEVELP	12	0.0	2,874,432	2,874,432	0.0	2,874,432
603 TECH AID DEV CRTY	1	0.0	9,507	9,507	0.0	9,507
604 PRD DVLPMT/MKTG FRGN	3	0.0	113,194	113,194	0.0	113,194
SUBTOTAL		0.0	2,997,133	2,997,133	0.0	2,997,133
SERIES 700						
701 TOX RES IN FOOD	36	0.0	2,642,107	2,642,107	0.0	2,642,107
702 FOOD PROT FROM TOX	6	0.0	1,157,714	1,157,714	0.0	1,157,714
703 FOOD CONSUMP HABITS	1	0.0	81,054	81,054	0.0	81,054
706 CONTR INSECTS AFF MAN	4	0.0	158,572	158,572	0.0	158,572
708 HUMAN NUTRITION	3	0.0	501,018	501,018	0.0	501,018
709 REDUCE HAZ HLTH & SFTY	1	0.0	2,942	2,942	0.0	2,942
SUBTOTAL		0.0	4,543,407	4,543,407	0.0	4,543,407

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- CSRS SPECIAL GRANTS CSRS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 800						
802 INDIV & FAM DEC MAKING	1	0.0	18,960	18,960	0.0	18,960
803 RURAL POVERTY	2	0.0	52,140	52,140	0.0	52,140
804 ECON POTENT RURL REO	2	0.0	132,720	132,720	0.0	132,720
805 COMMUNICAT EDUC PROC	2	0.0	7,313	7,313	0.0	7,313
806 ADJUSTMENT TO CHANGE	1	0.0	18,960	18,960	0.0	18,960
807 AGRIC ECONOMIC CHANGE	4	0.0	256,852	256,852	0.0	256,852
808 GOVT PROGRAMS	3	0.0	301,085	301,085	0.0	301,085
SUBTOTAL		0.0	788,030	788,030	0.0	788,030
SERIES 900						
901 ALLEV POLLUTION	21	0.0	3,022,613	3,022,613	0.0	2,064,738
902 OUTDOOR RECREATION	1	0.0	8,950	8,950	0.0	8,950
904 WLDLFE AND FISH ECOL	17	0.0	4,377,736	4,377,736	0.0	4,162,214
906 ORNAMENT & TURF DEV	9	0.0	549,204	549,204	0.0	549,204
907 RURAL INCOME IMP	5	0.0	298,620	298,620	0.0	298,620
908 RURAL INSTITUT IMP	4	0.0	118,500	118,500	0.0	118,500
SUBTOTAL		0.0	8,375,623	8,375,623	0.0	7,202,226
SCIENCE IN SERV OF MAN						
GRAND TOTAL		0.0	49,824,142	49,824,142	0.0	47,319,817

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- COMPETITIVE RESEARCH GRANTS OFFICE CRGO

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0400 AIR AND CLIMATE	1	0.0	36,000	36,000	0.0	36,000
0600 TIMBER FORST PRODUCT	10	0.0	1,056,050	1,056,050	0.0	330,000
0800 WILDLIFE AND FISH	2	0.0	424,000	424,000	0.0	424,000
0900 CITRUS SUB TROP FRUT	2	0.0	250,000	250,000	0.0	50,000
1100 POTATOES	3	0.0	390,000	390,000	0.0	270,000
1200 VEGETABLES	5	0.0	462,312	462,312	0.0	262,312
1300 ORNAMENTALS TURF	1	0.0	94,742	94,742	0.0	94,742
1400 CORN	16	0.0	1,628,000	1,628,000	0.0	375,000
1500 GRAIN SORGHUM	1	0.0	150,000	150,000	0.0	0
1600 RICE	1	0.0	120,000	120,000	0.0	120,000
1700 WHEAT	5	0.0	370,000	370,000	0.0	250,000
1800 OTHER SMALL GRAINS	3	0.0	238,000	238,000	0.0	218,000
2000 FORAGE CROPS	1	0.0	158,000	158,000	0.0	158,000
2300 SOYBEANS	10	0.0	1,020,000	1,020,000	0.0	421,000
2900 POULTRY	4	0.0	701,907	701,907	0.0	100,000
3000 BEEF CATTLE	17	0.0	3,217,059	3,217,059	0.0	1,896,300
3100 DAIRY CATTLE	8	0.0	1,201,000	1,201,000	0.0	788,000
3200 SWINE	11	0.0	1,921,778	1,921,778	0.0	1,343,078
3300 SHEEP AND WOOL	4	0.0	813,000	813,000	0.0	392,000
3400 OTHER ANIMALS	7	0.0	1,097,334	1,097,334	0.0	356,000
4000 PEOPLE AS INDIVIDUALS	6	0.0	402,000	402,000	0.0	402,000
6300 BIO CELL SYSTEMS	7	0.0	640,400	640,400	0.0	50,000
6500 INVERTEBRATES	49	0.0	3,482,600	3,482,600	0.0	1,558,600
6600 MICROORGANISMS VIRUSES	67	0.0	5,670,479	5,670,479	0.0	3,056,300
6700 PLANTS	89	0.0	9,090,530	9,090,530	0.0	4,143,784
6800 ANIMALS (VERTEBRATES)	5	0.0	940,422	940,422	0.0	525,000
TOTAL		0.0	35,575,613	35,575,613	0.0	17,620,116

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- COMPETITIVE RESEARCH GRANTS OFFICE CRGO

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
102 SOIL PLNT WTR NUTRI	1	0.0	70,000	70,000	0.0	0
103 MGMT OF SALINE SOILS	2	0.0	118,000	118,000	0.0	118,000
105 CONSERV USE OF WATER	2	0.0	78,000	78,000	0.0	48,000
109 WEATHER ADAPT & MOD	1	0.0	36,000	36,000	0.0	36,000
SUBTOTAL		0.0	302,000	302,000	0.0	202,000
SERIES 200						
201 CNTRL FORST INSECTS	5	0.0	483,000	483,000	0.0	150,000
202 CONTROL FOREST DIS	3	0.0	220,000	220,000	0.0	220,000
205 CNTR DISE FRT & VEG	1	0.0	150,000	150,000	0.0	150,000
206 CNTR WEEDS FRT & VEG	2	0.0	90,000	90,000	0.0	25,000
211 CONTR DIS ANIMALS	13	0.0	2,825,893	2,825,893	0.0	1,310,800
214 PROTECT FROM POLLUTION	2	0.0	170,000	170,000	0.0	50,000
SUBTOTAL		0.0	3,938,893	3,938,893	0.0	1,905,800
SERIES 300						
304 IMP BIO EFF FRT & VEGS	11	0.0	1,163,722	1,163,722	0.0	643,722
307 IMP BIO EFF FLD CRP	35	0.0	3,702,760	3,702,760	0.0	1,810,760
310 ANIMAL REPRODUCTION	26	0.0	4,632,700	4,632,700	0.0	2,707,000
311 IMP BIO EFF ANML PR	10	0.0	1,987,985	1,987,985	0.0	1,422,078
318 NON COM BIO TECH/BIMET	186	0.0	18,350,811	18,350,811	0.0	7,532,014
SUBTOTAL		0.0	29,837,978	29,837,978	0.0	14,115,574
SERIES 400						
405 PROD FLD CROP IMP ACPT	1	0.0	30,000	30,000	0.0	0
SUBTOTAL		0.0	30,000	30,000	0.0	0
SERIES 700						
708 HUMAN NUTRITION	11	0.0	948,000	948,000	0.0	878,000
SUBTOTAL		0.0	948,000	948,000	0.0	878,000
SERIES 900						
904 WLDLFE AND FISH ECOL	2	0.0	424,000	424,000	0.0	424,000
906 ORNAMENT & TURF DEV	1	0.0	94,742	94,742	0.0	94,742
SUBTOTAL		0.0	518,742	518,742	0.0	518,742
SCIENCE IN SERV OF MAN						
GRAND TOTAL		0.0	35,575,613	35,575,613	0.0	17,620,116

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ECONOMIC RESEARCH SERVICE ERS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	18	23.5	2,805,350	2,805,350	0.0	0
0200 WATER	14	13.2	1,678,300	1,678,300	0.0	0
0300 WATERSHEDS RIVER BAS	3	1.8	219,600	219,600	0.0	0
0500 RECREATION RESOURCES	1	0.5	58,500	58,500	0.0	0
0800 WILDLIFE AND FISH	1	1.2	198,450	198,450	0.0	0
0900 CITRUS SUB TROP FRUT	1	1.7	249,600	249,600	0.0	0
1000 FRUIT NUTS DECIDUCUS	1	1.7	249,600	249,600	0.0	0
1100 POTATOES	1	3.5	432,800	432,800	0.0	0
1200 VEGETABLES	1	0.9	108,200	108,200	0.0	0
1300 ORNAMENTALS TURF	1	0.9	124,800	124,800	0.0	0
1400 CORN	3	3.3	469,230	469,230	0.0	0
1500 GRAIN SORGHUM	3	1.4	196,080	196,080	0.0	0
1600 RICE	3	1.6	213,000	213,000	0.0	0
1700 WHEAT	3	4.2	553,650	553,650	0.0	0
1800 OTHER SMALL GRAINS	4	1.9	262,440	262,440	0.0	0
1900 PASTURE	1	0.4	57,900	57,900	0.0	0
2000 FORAGE CROPS	2	1.1	141,000	141,000	0.0	0
2100 COTTON	4	5.4	676,100	752,100	0.0	0
2200 COTTONSEED	2	0.8	99,600	99,600	0.0	0
2300 SOYBEANS	4	4.5	551,600	627,600	0.0	0
2400 PEANUTS	2	0.9	118,300	118,300	0.0	0
2500 OTHER OILSEED CROPS	3	1.7	218,600	256,600	0.0	0
2600 TOBACCO	1	3.3	369,000	369,000	0.0	0
2700 SUGAR CROPS	1	4.9	714,400	714,400	0.0	0
2800 MISC NEW CROPS	1	2.1	368,550	368,550	0.0	0
2900 POULTRY	1	4.6	590,000	590,000	0.0	0
3000 BEEF CATTLE	2	8.4	1,309,000	1,348,600	0.0	0
3100 DAIRY CATTLE	2	7.5	858,000	858,000	0.0	0
3200 SWINE	2	6.4	879,600	879,600	0.0	0
3300 SHEEP AND WOOL	2	1.6	190,900	195,300	0.0	0
3500 BEES AND HONEY	1	1.2	178,600	178,600	0.0	0
3600 FARM SUPP & FACILITS	3	7.0	851,560	851,560	0.0	0
3800 FOOD	6	15.7	2,642,100	2,642,100	0.0	0
4000 PEOPLE AS INDIVIDUALS	6	5.4	1,007,500	1,007,500	0.0	0
4100 FAMILY MEMBERS	8	8.7	1,436,000	1,436,000	0.0	0
4200 FARM AS BUSINESS	6	7.0	1,008,750	1,008,750	0.0	0
4300 SOC POLIT ORGANIZ	16	28.8	3,424,300	3,424,300	0.0	0
4400 AGRIC ECONOMY U S	45	79.9	8,912,670	8,912,670	0.0	0
4500 AGRIC ECONOMY FORGN	40	110.0	11,950,560	11,950,560	0.0	0
4800 MARKETING SYSTEMS	4	18.6	2,718,500	2,718,500	0.0	0
6700 PLANTS	2	3.0	282,560	282,560	0.0	0
6900 RESEARCH ON RSCH MGMT	1	0.5	67,750	67,750	0.0	0
TOTAL		400.7	49,443,000	49,677,000	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- ECONOMIC RESEARCH SERVICE ERS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
102 SOIL PLNT WTR NUTRI	4	2.0	243,500	243,500	0.0	0
104 ALTERN USE OF LAND	16	26.8	3,300,500	3,300,500	0.0	0
105 CONSERV USE OF WATER	4	2.3	256,250	256,250	0.0	0
108 ECON LEG PROB OF WAT	3	7.4	903,000	903,000	0.0	0
114 RSCH ON MGMT OF RSCH	1	0.5	67,750	67,750	0.0	0
SUBTOTAL		39.1	4,771,000	4,771,000	0.0	0
SERIES 300						
314 BEES OTH POLLNTNG INS	1	1.2	178,600	178,600	0.0	0
316 FARM BUSINESS MGMT	4	4.3	664,450	664,450	0.0	0
SUBTOTAL		5.5	843,050	843,050	0.0	0
SERIES 500						
503 MKTG EFF AGRI PRODS	6	10.7	1,521,300	1,521,300	0.0	0
506 SPLY DEMAND AND PRIC	33	68.4	8,264,260	8,365,260	0.0	0
507 COMP REL IN AGRIC	6	13.4	2,387,600	2,387,600	0.0	0
508 DOMESTIC MKT DEVELP	3	2.2	260,800	260,800	0.0	0
509 PERFORMANCE MKTG SYS	10	34.1	4,748,900	4,881,900	0.0	0
SUBTOTAL		128.8	17,182,860	17,816,860	0.0	0
SERIES 600						
601 FGN MKT DEVELP	42	115.6	12,710,440	12,710,440	0.0	0
602 EVAL FGN FOOD AID PGM	1	0.7	90,900	90,900	0.0	0
603 TECH AID DEV CRTY	2	1.3	113,200	113,200	0.0	0
604 PRD DVLPMT/MKTG FRGN	1	1.0	118,500	118,500	0.0	0
SUBTOTAL		118.6	13,033,040	13,033,040	0.0	0
SERIES 700						
701 TOX RES IN FOOD	1	1.0	158,000	158,000	0.0	0
702 FOOD PROT FROM TOX	1	1.1	172,000	172,000	0.0	0
703 FOOD CONSUMP HABITS	3	4.2	588,400	588,400	0.0	0
708 HUMAN NUTRITION	1	0.5	68,800	68,800	0.0	0
SUBTOTAL		6.8	987,200	987,200	0.0	0
SERIES 800						
802 INDIV & FAM DEC MAKING	1	0.3	35,500	35,500	0.0	0
804 ECON POTENT RURL PEO	8	10.9	1,399,500	1,399,500	0.0	0
805 COMMUNICAT EDUC PROC	2	1.7	217,900	217,900	0.0	0
806 ADJUSTMENT TO CHANGE	6	5.8	1,207,100	1,207,100	0.0	0
807 AGRIC ECONOMIC CHANGE	30	42.9	5,062,900	5,062,900	0.0	0
808 GOVT PROGRAMS	12	16.6	1,730,850	1,730,850	0.0	0
SUBTOTAL		78.2	9,653,750	9,653,750	0.0	0
SERIES 900						
902 OUTDOOR RECREATION	1	0.5	58,500	58,500	0.0	0
904 WLDLFE AND FISH ECOL	1	1.0	126,500	126,500	0.0	0
906 ORNAMENT & TURF DEV	1	0.9	124,800	124,800	0.0	0
907 RURAL INCOME IMP	3	7.5	966,000	966,000	0.0	0
908 RURAL INSTITUT IMP	9	13.9	1,696,300	1,696,300	0.0	0
SUBTOTAL		23.7	2,972,100	2,972,100	0.0	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		400.7	49,443,000	49,677,000	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- U S FOREST SERVICE FS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	19	13.3	2,865,424	2,988,153	0.0	0
0200 WATER	9	8.2	1,240,316	1,260,858	0.0	0
0300 WATERSHEDS RIVER BAS	51	42.5	7,771,892	8,232,771	0.0	0
0400 AIR AND CLIMATE	10	5.1	1,117,595	1,226,196	0.0	0
0500 RECREATION RESOURCES	17	19.4	2,866,991	3,103,691	0.0	0
0600 TIMBER FORST PRODUCT	451	571.8	107,121,002	112,769,323	0.0	0
0700 RANGE	36	21.3	3,299,733	3,730,208	0.0	0
0800 WILDLIFE AND FISH	62	47.3	10,121,509	10,859,951	0.0	0
3900 HOUSING & EQUIP	4	5.2	946,847	1,011,690	0.0	0
4800 MARKETING SYSTEMS	1	0.2	19,528	19,528	0.0	0
6500 INVERTEBRATES	3	1.6	263,065	264,435	0.0	0
6900 RESEARCH ON RSCH MGMT	3	1.0	232,821	232,821	0.0	0
TOTAL		736.8	137,866,722	145,699,625	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- U S FOREST SERVICE FS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
102 SOIL PLNT WTR NUTRI	23	21.0	2,628,806	2,746,136	0.0	0
104 ALTERN USE OF LAND	3	1.0	227,396	261,633	0.0	0
105 CONSERV USE OF WATER	1	0.8	198,782	219,324	0.0	0
107 WATERSHED PROT & MGMT	50	46.4	8,364,763	8,771,822	0.0	0
109 WEATHER ADAPT & MOD	3	1.9	222,386	223,827	0.0	0
110 APPRAIS FORST & RANGS	30	47.9	14,032,895	14,557,767	0.0	0
111 BIOL CULT MGMT FORSTS	139	157.6	23,741,729	24,951,493	0.0	0
112 IMPROV RANGE RESOR	17	10.2	1,606,676	1,729,776	0.0	0
113 REMOTE SENSING	1	0.0	360,867	360,867	0.0	0
114 RSCH ON MGMT OF RSCH	3	1.0	232,821	232,821	0.0	0
SUBTOTAL		287.7	51,617,122	54,055,467	0.0	0
SERIES 200						
201 CNTRL FORST INSECTS	64	73.6	14,254,406	14,341,069	0.0	0
202 CONTROL FOREST DIS	52	43.7	9,025,844	9,498,096	0.0	0
203 FOREST FIRE PROTECT	31	37.3	6,343,179	6,757,145	0.0	0
207 CNTR PESTS FLD CROPS	1	0.0	2,569	24,481	0.0	0
208 CNTR DIS FIELD CROPS	2	0.8	100,208	127,598	0.0	0
214 PROTECT FROM POLLUTION	7	12.8	5,029,874	5,048,799	0.0	0
SUBTOTAL		168.3	34,756,079	35,797,187	0.0	0
SERIES 300						
301 GENET BREED FORST TRE	26	24.7	4,611,294	4,978,898	0.0	0
302 IMP FOREST ENG SYS	15	20.8	3,014,382	3,092,308	0.0	0
303 ECON TIMBER PRODUCTN	21	15.3	1,987,963	2,231,165	0.0	0
SUBTOTAL		60.7	9,613,639	10,302,371	0.0	0
SERIES 400						
401 NEW IMP FOREST PROD	69	86.8	17,924,389	19,803,637	0.0	0
SUBTOTAL		86.8	17,924,389	19,803,637	0.0	0
SERIES 500						
502 MKTG TIMBER PRODUCTS	2	0.6	245,151	245,151	0.0	0
509 PERFORMANCE MKTG SYS	1	0.2	19,528	19,528	0.0	0
512 IMP GRADES FRST PROD	6	8.9	804,242	886,648	0.0	0
513 PRICE ANAL FRST PROD	13	18.5	2,842,268	2,959,465	0.0	0
SUBTOTAL		28.2	3,911,189	4,110,793	0.0	0
SERIES 800						
801 RURAL HOUSING	4	5.2	946,847	1,011,690	0.0	0
SUBTOTAL		5.2	946,847	1,011,690	0.0	0
SERIES 900						
901 ALLEV POLLUTION	26	14.7	4,392,195	4,539,210	0.0	0
902 OUTDOOR RECREATION	16	18.3	2,514,108	2,741,802	0.0	0
903 MULTI USE FOREST POTEN	17	16.3	1,743,109	2,153,101	0.0	0
904 WLDLFE AND FISH ECOL	55	49.4	10,279,271	11,015,592	0.0	0
905 TREES BEAUTIFICATION	3	1.1	168,775	168,775	0.0	0
SUBTOTAL		99.8	19,097,458	20,618,480	0.0	0
SCIENCE IN SERV OF MAN GRAND TOTAL		736.8	137,866,722	145,699,625	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- HUMAN NUTRITION INFORMATION SERVICE HNIS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	1	0.0	3,492	3,492	0.0	0
2200 COTTONSEED	1	0.0	3,492	3,492	0.0	0
2300 SOYBEANS	1	0.0	3,492	3,492	0.0	0
2500 OTHER OILSEED CROPS	1	0.0	20,953	20,953	0.0	0
2900 POULTRY	1	0.0	20,953	20,953	0.0	0
3800 FOOD	10	15.7	1,270,336	1,270,336	0.0	0
4000 PEOPLE AS INDIVIDUALS	4	2.5	118,350	118,350	0.0	0
4100 FAMILY MEMBERS	2	0.4	43,250	43,250	0.0	0
TOTAL		18.6	1,484,319	1,484,319	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- HUMAN NUTRITION INFORMATION SERVICE HNIS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 700						
703 FOOD CONSUMP HABITS	7	5.6	455,125	455,125	0.0	0
708 HUMAN NUTRITION	7	12.8	1,017,194	1,017,194	0.0	0
SUBTOTAL		18.4	1,472,319	1,472,319	0.0	0
SERIES 800						
802 INDIV & FAM DEC MAKING	1	0.2	12,000	12,000	0.0	0
SUBTOTAL		0.2	12,000	12,000	0.0	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		18.6	1,484,319	1,484,319	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SMALL BUSINESS INNOVATIVE RESEARCH GRANTS SBIR

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.0	49,960	49,960	0.0	0
0200 WATER	1	0.0	50,000	50,000	0.0	0
0600 TIMBER FORST PRODUCT	7	0.0	839,887	839,887	0.0	0
0800 WILDLIFE AND FISH	3	0.0	106,830	106,830	0.0	0
0900 CITRUS SUB TROP FRUT	1	0.0	215,000	215,000	0.0	0
1000 FRUIT NUTS DECIDUOUS	2	0.0	94,025	94,025	0.0	0
1100 POTATOES	1	0.0	50,000	50,000	0.0	0
1200 VEGETABLES	1	0.0	175,000	175,000	0.0	0
1400 CORN	2	0.0	273,401	273,401	0.0	0
1500 GRAIN SORGHUM	1	0.0	4,908	4,908	0.0	0
1700 WHEAT	1	0.0	50,000	50,000	0.0	0
2900 POULTRY	2	0.0	240,000	240,000	0.0	0
3000 BEEF CATTLE	2	0.0	255,000	255,000	0.0	0
3100 DAIRY CATTLE	1	0.0	25,000	25,000	0.0	0
3200 SWINE	2	0.0	98,935	98,935	0.0	0
3400 OTHER ANIMALS	1	0.0	115,000	115,000	0.0	0
3800 FOOD	1	0.0	49,995	49,995	0.0	0
4000 PEOPLE AS INDIVIDUALS	3	0.0	285,000	285,000	0.0	0
4300 SOC POLIT ORGANIZ	2	0.0	165,000	165,000	0.0	0
6200 SEED RESEARCH	1	0.0	49,816	49,816	0.0	0
6700 PLANTS	4	0.0	480,924	480,924	0.0	0
6800 ANIMALS (VERTEBRATES)	1	0.0	21,831	21,831	0.0	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	50,000	50,000	0.0	0
TOTAL		0.0	3,745,512	3,745,512	0.0	0

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- SMALL BUSINESS INNOVATIVE RESEARCH GRANTS SBIR

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
102 SOIL PLNT WTR NUTRI	1	0.0	49,960	49,960	0.0	0
111 BIOL CULT MGMT FORSTS	1	0.0	50,000	50,000	0.0	0
113 REMOTE SENSING	1	0.0	24,966	24,966	0.0	0
SUBTOTAL		0.0	124,926	124,926	0.0	0
SERIES 200						
204 CNTR PESTS FRT & VEGS	1	0.0	44,006	44,006	0.0	0
205 CNTR DISE FRT & VEG	5	0.0	518,030	518,030	0.0	0
207 CNTR PESTS FLD CRCPS	1	0.0	44,006	44,006	0.0	0
208 CNTR DIS FIELD CRCPS	2	0.0	48,914	48,914	0.0	0
211 CONTR DIS ANIMALS	2	0.0	98,935	98,935	0.0	0
SUBTOTAL		0.0	753,890	753,890	0.0	0
SERIES 300						
302 IMP FOREST ENG SYS	1	0.0	50,000	50,000	0.0	0
304 IMP BIO EFF FRT & VEGS	1	0.0	50,000	50,000	0.0	0
305 MECH PROD FRT & VEGS	1	0.0	49,902	49,902	0.0	0
307 IMP BIO EFF FLD CRP	2	0.0	98,217	98,217	0.0	0
310 ANIMAL REPRODUCTION	3	0.0	441,831	441,831	0.0	0
312 ENV STRESS IN ANML PR	1	0.0	50,000	50,000	0.0	0
SUBTOTAL		0.0	739,950	739,950	0.0	0
SERIES 400						
401 NEW IMP FOREST PROD	5	0.0	534,921	534,921	0.0	0
403 NEW & IMP F & V PROD	2	0.0	265,000	265,000	0.0	0
406 NEW IMP FOOD FLD CROP	3	0.0	324,995	324,995	0.0	0
411 IMP NON FOOD ANML PR	1	0.0	115,000	115,000	0.0	0
SUBTOTAL		0.0	1,239,916	1,239,916	0.0	0
SERIES 500						
512 IMP GRADES FRST PROD	1	0.0	230,000	230,000	0.0	0
SUBTOTAL		0.0	230,000	230,000	0.0	0
SERIES 700						
701 TOX RES IN FOOD	1	0.0	50,000	50,000	0.0	0
SUBTOTAL		0.0	50,000	50,000	0.0	0
SERIES 800						
804 ECON POTENT RURL REO	2	0.0	335,000	335,000	0.0	0
805 COMMUNICAT EDUC PROC	1	0.0	50,000	50,000	0.0	0
SUBTOTAL		0.0	385,000	385,000	0.0	0
SERIES 900						
901 ALLEV POLLUTION	1	0.0	50,000	50,000	0.0	0
904 WLDLFE AND FISH ECOL	3	0.0	106,830	106,830	0.0	0
907 RURAL INCOME IMP	2	0.0	65,000	65,000	0.0	0
SUBTOTAL		0.0	221,830	221,830	0.0	0
SCIENCE IN SERV OF MAN						
GRAND TOTAL		0.0	3,745,512	3,745,512	0.0	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1104	341.8	8,274,753	69,770,238	*	3,392,456
0200 WATER	714	228.0	4,149,605	43,676,062	*	1,894,910
0300 WATERSHEDS RIVER BAS	158	41.4	1,065,723	8,664,702	*	665,550
0400 AIR AND CLIMATE	117	32.6	825,993	6,805,289	*	235,692
0500 RECREATION RESOURCES	134	33.9	728,514	5,945,077	*	503,075
0600 TIMBER FORST PRODUCT	1492	565.6	17,349,457	110,495,258	*	13,374,950
0700 RANGE	280	103.6	2,399,887	17,977,757	*	1,064,238
0800 WILDLIFE AND FISH	742	290.2	5,859,257	63,163,210	*	4,218,753
0900 CITRUS SUB TROP FRUT	302	117.2	1,435,505	23,188,832	*	2,205,150
1000 FRUIT NUTS DECIDUCUS	958	324.5	8,870,322	69,661,356	*	3,671,444
1100 POTATOES	328	87.6	2,187,683	18,958,818	*	3,218,596
1200 VEGETABLES	1344	453.6	13,586,315	87,377,047	*	4,168,422
1300 ORNAMENTALS TURF	558	209.4	4,989,542	38,752,167	*	551,917
1400 CORN	880	203.9	5,742,221	43,661,901	*	2,455,620
1500 GRAIN SORGHUM	291	63.3	1,084,884	13,014,210	*	565,690
1600 RICE	146	50.2	641,824	11,648,422	*	393,470
1700 WHEAT	702	204.1	3,727,015	38,163,801	*	2,883,776
1800 OTHER SMALL GRAINS	357	83.0	1,909,928	16,628,907	*	812,366
1900 PASTURE	116	23.3	1,003,141	4,715,633	*	215,893
2000 FORAGE CROPS	794	206.0	6,669,649	41,661,115	*	1,974,795
2100 COTTON	322	102.7	2,401,521	21,181,729	*	655,511
2200 COTTONSEED	8	0.8	23,048	206,432	*	6,480
2300 SOYBEANS	863	226.8	7,510,158	45,260,372	*	2,860,544
2400 PEANUTS	149	42.1	845,042	8,767,419	*	329,312
2500 OTHER OILSEED CROPS	117	33.2	1,071,496	6,515,649	*	858,892
2600 TOBACCO	151	51.2	1,032,108	11,811,006	*	102,120
2700 SUGAR CROPS	127	38.6	1,092,932	7,746,559	*	173,191
2800 MISC NEW CROPS	177	43.8	960,851	9,996,334	*	1,079,845
2900 POULTRY	738	258.8	8,996,470	60,247,749	*	2,415,010
3000 BEEF CATTLE	1367	482.1	13,336,046	125,254,955	*	6,530,698
3100 DAIRY CATTLE	1197	362.8	11,981,091	99,513,582	*	3,977,477
3200 SWINE	763	207.9	8,368,060	58,675,953	*	3,077,834
3300 SHEEP AND WOOL	384	107.6	2,877,244	26,691,399	*	1,860,273
3400 OTHER ANIMALS	626	215.6	5,946,400	50,445,569	*	585,478
3500 BEES AND HONEY	43	12.0	200,084	2,424,688	*	235,808
3600 FARM SUPP & FACILITS	90	26.6	439,256	4,612,859	*	262,161
3700 CLOTHING & TEXTILES	95	26.1	925,734	3,211,221	*	49,652
3800 FOOD	419	169.3	5,083,771	35,540,509	*	2,404,876
3900 HOUSING & EQUIP	146	47.3	1,536,576	7,893,746	*	219,921
4000 PEOPLE AS INDIVIDUALS	583	178.7	4,993,082	29,776,311	*	705,851
4100 FAMILY MEMBERS	282	93.7	1,821,352	10,121,443	*	178,326
4200 FARM AS BUSINESS	203	72.2	1,881,998	9,406,559	*	405,780
4300 SOC POLIT ORGANIZ	370	122.2	4,198,867	20,007,457	*	1,330,195
4400 AGRIC ECONOMY U S	158	56.2	1,245,724	10,156,941	*	1,826,070
4500 AGRIC ECONOMY FORGN	53	33.0	163,704	8,845,837	*	1,289,449
4600 FARM COOPERATIVES	28	5.6	122,028	839,492	*	91,760
4700 OTH MARKET PROCESS	22	5.3	217,546	626,587	*	60,712
4800 MARKETING SYSTEMS	69	18.5	737,799	2,733,817	*	226,964
6100 WEEDS	131	31.5	884,791	7,059,559	*	433,862
6200 SEED RESEARCH	58	19.5	336,630	5,100,246	*	201,649
6300 BIO CELL SYSTEMS	279	104.6	1,804,496	26,768,856	*	508,330
6400 EXP DESIGN/STAT METHOD	109	41.4	392,839	6,976,065	*	1,303,345
6500 INVERTEBEATES	484	160.1	3,902,739	30,712,679	*	3,128.108
6600 MICROORGANISMS VIRUSES	559	173.8	4,452,075	40,931,505	*	3,635,798
6700 PLANTS	919	276.8	6,840,748	63,148,848	*	9,359,822
6800 ANIMALS(VERTEBRATES)	527	250.4	3,033,223	60,069,362	*	1,453,567
6900 RESEARCH ON RSCH MGMT	44	19.4	998,390	15,738,433	*	188,405
7000 RSCH EQUIP & TECHNOLOGY	142	49.7	1,309,216	10,828,689	*	709,395
TOTAL		7831.2	206,466,355	1,679,776,217	*	103,189,237

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	221	81.5	1,587,175	16,036,749	*	733,019
102 SOIL PLNT WTR NUTRI	827	282.4	7,251,278	57,402,061	*	2,914,344
103 MGMT OF SALINE SOILS	78	24.0	614,071	5,640,541	*	196,867
104 ALTERN USE OF LAND	123	26.9	884,759	5,275,234	*	222,169
105 CONSERV USE OF WATER	332	98.9	1,869,670	18,373,990	*	1,025,781
106 DRAIN AND IRRIGATION	121	49.1	746,391	10,755,120	*	154,884
107 WATERSHED PROT & MGMT	178	61.3	1,196,901	10,991,459	*	1,189,715
108 ECON LEG PROB OF WAT	75	24.0	365,831	3,113,790	*	111,122
109 WEATHER ADAPT & MOD	146	45.7	1,106,568	8,157,063	*	209,494
110 APPRAIS FORST & RANGS	152	43.9	1,341,018	8,073,929	*	364,698
111 BIOL CULT MGMT FORSTS	402	150.8	4,492,475	29,290,053	*	3,499,957
112 IMPROV RANGE RESOR	186	60.6	1,540,731	11,532,708	*	714,973
113 REMOTE SENSING	73	21.2	648,416	4,057,991	*	378,971
114 RSCH ON MGMT OF RSCH	44	19.4	998,390	15,738,433	*	188,405
SUBTOTAL		989.6	24,643,675	204,439,120	*	11,904,401
SERIES 200						
201 CNTRL FORST INSECTS	176	37.9	1,550,048	8,443,110	*	2,101,864
202 CONTROL FOREST DIS	151	36.2	1,459,538	6,871,092	*	468,689
203 FOREST FIRE PROTECT	14	3.0	47,085	458,692	*	68,427
204 CNTR PESTS FRT & VEGS	522	141.5	4,090,467	29,713,478	*	1,974,823
205 CNTR DISE FRT & VEG	745	230.4	4,689,402	46,869,289	*	4,294,454
206 CNTR WEEDS FRT & VEG	171	39.0	1,122,070	7,554,258	*	262,251
207 CNTR PESTS FLD CROPS	622	195.7	5,630,241	36,532,845	*	3,604,533
208 CNTR DIS FIELD CROPS	712	225.2	5,416,647	42,707,747	*	2,228,629
209 CNTR WEEDS FLD CROPS	340	108.3	2,904,330	23,662,954	*	1,279,442
210 CONTR PESTS ANIMALS	150	46.9	1,047,813	7,930,019	*	330,346
211 CONTR DIS ANIMALS	1330	567.1	9,491,042	131,380,482	*	7,208,037
212 CNTR INTER PARASITES	116	34.0	847,234	7,041,173	*	347,321
213 PROT ANMLS FROM TOXINS	123	78.4	880,493	16,977,373	*	99,087
214 PROTECT FROM POLLUTION	218	76.4	1,933,716	21,152,439	*	3,297,545
SUBTOTAL		1820.0	41,110,126	387,394,950	*	27,565,448
SERIES 300						
301 GENET BREED FORST TRE	120	56.2	1,782,897	11,707,289	*	654,631
302 IMP FOREST ENG SYS	49	14.5	370,654	3,272,293	*	542,833
303 ECON TIMBER PRODUCTN	72	24.0	868,236	4,490,386	*	341,819
304 IMP BIO EFF FRT & VEGS	976	344.5	9,965,530	70,895,616	*	4,462,084
305 MECH PROD FRT & VEGS	84	24.9	775,294	4,739,308	*	27,338
306 PROD MGMT SYS F & V	129	27.4	693,809	5,272,672	*	261,185
307 IMP BIO EFF FLD CRP	1315	522.1	13,944,336	114,427,266	*	7,272,441
308 MECH PROD FIELD CROPS	97	29.4	820,938	5,721,200	*	163,492
309 PROD MGMT SYS FLD CRP	362	96.6	2,299,460	18,120,465	*	517,102
310 ANIMAL REPRODUCTION	610	222.5	9,156,627	66,152,317	*	4,791,926
311 IMP BIO EFF ANML PR	1230	503.5	19,773,737	150,755,601	*	4,074,185
312 ENV STRESS IN ANML PR	187	55.9	1,772,331	12,761,328	*	48,802
313 PROD MGMT SYS ANML PR	261	62.6	2,087,213	16,373,559	*	184,748
314 BEES OTH POLLNTNG INS	43	12.0	200,084	2,424,688	*	235,808
315 IMP STRUC FARM SUPP	96	39.4	922,934	6,537,259	*	347,984
316 FARM BUSINESS MGMT	151	49.8	1,287,799	6,766,919	*	222,640
317 MECH/STRUCTS ANML PRD	27	5.2	134,773	1,136,120	*	87,604
318 NON COM BIO TECH/ELMET	1508	569.4	13,395,032	132,292,868	*	10,117,523
SUBTOTAL		2659.9	80,221,686	633,847,154	*	34,354,146
SERIES 400						
401 NEW IMP FOREST PROD	275	120.2	2,592,535	22,778,090	*	2,719,282
402 PROD F & V IMP ACCEPT	274	49.4	1,042,307	10,960,995	*	706,731
403 NEW & IMP F & V PROD	172	59.4	1,248,648	10,588,788	*	304,254
404 MKT QUAL FRTS & VEGS	176	59.6	1,583,944	11,873,315	*	547,122
405 PROD FLD CROP IMP ACPT	270	80.6	1,692,620	18,607,437	*	889,427
406 NEW IMP FOOD FLD CROP	147	42.8	1,176,822	8,415,492	*	94,485
407 NEW IMP NON FOOD FC	92	26.6	534,609	6,500,466	*	527,820
408 MKT QUAL FIELD CROPS	87	30.0	827,860	4,966,742	*	131,752
409 PROD ANML PR IMP ACCP	152	55.3	2,002,709	13,934,426	*	468,078
410 IMP MEAT MILK EGG PR	243	88.9	2,671,134	17,873,434	*	387,127
411 IMP NON FOOD ANML PR	22	7.1	207,717	964,604	*	2,166
412 MKT QUAL ANIMAL PROD	82	19.6	563,894	4,301,365	*	12,072
SUBTOTAL		639.5	16,144,798	131,765,154	*	6,790,318
SERIES 500						
501 IMP GRADES & STANDS	51	10.7	235,647	1,790,445	*	92,392
502 MKTG TIMBER PRODUCTS	39	12.4	357,234	1,651,284	*	430,212
503 MKTG EFF AGRI PRODS	146	45.3	1,031,767	6,885,077	*	646,300
506 SPLY DEMAND AND PRIC	193	59.8	1,770,640	10,124,265	*	1,293,929
507 COMP REL IN AGRIC	58	10.0	322,349	1,484,778	*	83,914
508 DOMESTIC MKT DEVELP	58	14.1	521,266	2,392,248	*	109,085
509 PERFORMANCE MKTG SYS	147	39.3	1,496,713	5,541,798	*	425,586
510 GROUP ACT MKT POWER	21	3.9	97,132	592,140	*	69,919
511 IMP AGRIC STATISTICS	40	8.5	183,910	2,537,679	*	1,298,394
512 IMP GRADES FRST PROD	11	1.5	91,806	457,805	*	178,770
513 PRICE ANAL FRST PROD	24	7.4	210,005	1,020,810	*	130,581
SUBTOTAL		212.7	6,318,469	34,478,331	*	4,759,081
SERIES 600						
601 FGN MKT DEVELP	118	51.5	815,183	12,306,208	*	2,492,054
602 EVAL FGN FOOD AID PGM	4	1.1	680	259,943	*	38,553
603 TECH AID DEV CNTY	52	28.0	112,264	9,444,302	*	221,102
604 PRD DVLPMT/MKTG FRGN	29	7.9	193,562	1,637,685	*	253,943
SUBTOTAL		88.6	1,121,690	23,648,139	*	3,005,653
SERIES 700						
701 TOX RES IN FOOD	131	48.1	1,256,525	10,031,920	*	2,832,087
702 FOOD PROT FROM TOX	157	52.2	1,745,730	13,318,567	*	293,478
703 FOOD CONSUMP HABITS	133	39.5	1,504,634	6,329,978	*	442,381
704 HOME COMM FOOD SERV	28	8.0	262,883	1,116,297	*	4,422
705 SEL CARE CLOTH & TEXTL	83	20.0	801,717	2,591,872	*	40,490
706 CONTR INSECTS AFF MAN	112	37.5	702,138	7,144,131	*	135,424
707 TRANS ANIML MAN DIS	34	12.7	105,562	2,588,287	*	6,343
708 HUMAN NUTRITION	365	132.5	4,100,702	29,871,030	*	1,525,139
709 REDUCE HAZ HLTH & SFTY	63	14.8	279,503	2,862,865	*	39,024
SUBTOTAL		365.4	10,759,396	75,854,947	*	5,318,789

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL SAES - OTHER INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 800						
801 RURAL HOUSING	59	13.5	613,973	2,195,012	*	61,097
802 INDIV & FAM DEC MAKING	210	64.2	1,169,079	6,518,942	*	30,732
803 RURAL POVERTY	23	3.3	110,717	615,338	*	42,335
804 ECON POTENT RURL PEO	96	24.9	1,416,506	3,140,251	*	83,997
805 COMMUNICAT EDUC PROC	139	52.0	970,203	6,633,422	*	45,013
806 ADJUSTMENT TO CHANGE	194	62.9	1,465,207	7,830,606	*	263,777
807 AGRIC ECONOMIC CHANGE	153	58.8	1,666,011	8,364,626	*	509,854
808 GOVT PROGRAMS	51	14.7	343,807	2,715,436	*	411,976
SUBTOTAL		294.4	7,755,503	38,013,634	*	1,448,782
SERIES 900						
901 ALLEV POLLUTION	478	169.7	3,880,247	36,105,166	*	2,052,238
902 OUTDOOR RECREATION	130	34.1	705,663	5,687,737	*	445,383
903 MULTI USE FOREST POTEN	98	27.7	982,749	4,961,016	*	271,333
904 WLDLFE AND FISH ECOL	645	249.8	5,126,655	54,936,241	*	3,789,182
905 TREES BEAUTIFICATION	97	21.5	547,522	3,706,241	*	147,254
906 ORNAMENT & TURF DEV	511	183.2	4,431,360	34,082,014	*	431,274
907 RURAL INCOME IMP	118	37.6	1,040,321	4,641,739	*	239,352
908 RURAL INSTITUT IMP	151	37.4	1,676,495	6,214,635	*	666,606
SUBTOTAL		761.1	18,391,011	150,334,788	*	8,042,621
SCIENCE IN SERV OF MAN						
GRAND TOTAL		7831.2	206,466,355	1,679,776,217	*	103,189,237

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1045	324.8	7,395,315	66,792,268	*	3,249,809
0200 WATER	684	210.5	3,786,822	40,689,118	*	1,775,153
0300 WATERSHEDS RIVER BAS	132	31.6	810,189	6,923,888	*	638,502
0400 AIR AND CLIMATE	104	26.8	710,389	5,402,808	*	149,155
0500 RECREATION RESOURCES	98	27.4	611,482	4,782,178	*	277,299
0600 TIMBER FORST PRODUCT	1029	394.7	12,763,075	76,610,437	*	9,499,163
0700 RANGE	267	98.8	2,244,260	17,398,786	*	1,035,892
0800 WILDLIFE AND FISH	608	254.5	3,607,985	56,485,526	*	3,828,863
0900 CITRUS SUB TROP FRUT	299	116.9	1,377,646	23,130,521	*	2,205,150
1000 FRUIT NUTS DECIDUOUS	949	319.4	6,293,323	69,057,499	*	3,671,444
1100 POTATOES	327	87.1	2,131,314	18,898,163	*	3,218,596
1200 VEGETABLES	1311	427.6	10,729,382	84,368,303	*	4,168,422
1300 ORNAMENTALS TURF	555	208.0	4,789,911	38,551,094	*	551,917
1400 CORN	865	200.6	5,072,800	42,956,741	*	2,455,620
1500 GRAIN SORGHUM	286	62.9	1,005,163	12,860,918	*	565,690
1600 RICE	146	50.2	641,824	11,648,422	*	393,470
1700 WHEAT	696	203.4	3,557,447	37,991,637	*	2,883,776
1800 OTHER SMALL GRAINS	352	81.8	1,730,224	16,336,134	*	812,366
1900 PASTURE	115	22.9	934,822	4,647,314	*	215,893
2000 FORAGE CROPS	783	203.0	6,194,909	41,126,700	*	1,969,591
2100 COTTON	321	102.7	2,396,754	21,176,962	*	655,511
2200 COTTONSEED	8	0.8	23,048	206,432	*	6,480
2300 SOYBEANS	839	208.0	5,229,862	42,869,070	*	2,840,544
2400 PEANUTS	146	39.3	741,936	8,548,218	*	329,312
2500 OTHER OILSEED CROPS	114	31.9	883,374	6,327,120	*	858,892
2600 TOBACCO	149	51.0	974,541	11,668,439	*	102,120
2700 SUGAR CROPS	126	38.1	982,508	7,636,135	*	173,191
2800 MISC NEW CROPS	175	43.0	892,078	9,913,153	*	1,079,845
2900 POULTRY	631	223.9	7,455,313	52,817,991	*	1,966,485
3000 BEEF CATTLE	1191	395.5	11,428,147	108,157,038	*	5,842,694
3100 DAIRY CATTLE	1037	314.0	11,288,783	88,395,761	*	3,092,928
3200 SWINE	604	164.4	6,801,103	49,140,021	*	2,488,375
3300 SHEEP AND WOOL	337	83.1	2,671,932	21,446,857	*	1,568,592
3400 OTHER ANIMALS	300	77.1	1,860,400	20,575,078	*	416,188
3500 BEES AND HONEY	43	12.0	200,084	2,424,688	*	235,808
3600 FARM SUPP & FACILITS	90	26.6	439,256	4,612,859	*	262,161
3700 CLOTHING & TEXTILES	82	22.0	436,732	2,720,042	*	49,652
3800 FOOD	401	159.9	4,092,578	34,524,959	*	2,404,876
3900 HOUSING & EQUIP	135	44.8	1,235,684	7,514,686	*	219,921
4000 PEOPLE AS INDIVIDUALS	532	154.7	2,602,224	25,521,005	*	700,857
4100 FAMILY MEMBERS	266	88.0	1,234,060	9,499,005	*	178,326
4200 FARM AS BUSINESS	195	68.8	1,431,835	8,942,326	*	405,780
4300 SOC POLIT ORGANIZ	345	112.5	2,858,730	18,459,164	*	1,330,195
4400 AGRIC ECONOMY U S	156	55.8	1,193,787	10,101,025	*	1,826,070
4500 AGRIC ECONOMY FORGN	53	33.0	163,704	8,845,837	*	1,289,449
4600 FARM COOPERATIVES	28	5.6	122,028	839,492	*	91,760
4700 OTH MARKET PROCESS	20	4.5	114,278	522,652	*	60,712
4800 MARKETING SYSTEMS	64	16.7	434,897	2,421,430	*	226,964
6100 WEEDS	129	31.4	848,843	7,000,051	*	410,302
6200 SEED RESEARCH	58	19.5	336,630	5,100,246	*	201,649
6300 BIO CELL SYSTEMS	268	98.1	1,628,965	25,754,292	*	508,330
6400 EXP DESIGN/STAT METHOD	107	41.1	364,346	6,851,278	*	1,299,641
6500 INVERTEBRATES	445	150.6	2,702,220	28,821,039	*	3,102,494
6600 MICROORGANISMS VIRUSES	487	157.1	2,512,594	37,573,022	*	3,567,865
6700 PLANTS	853	261.0	4,317,238	59,701,920	*	9,291,974
6800 ANIMALS(VERTEBRATES)	374	127.1	2,161,315	31,529,228	*	1,378,049
6900 RESEARCH ON RSCH MGMT	42	17.4	833,327	15,520,070	*	188,405
7000 RSCH EQUIP & TECHNOLOGY	118	41.8	610,390	9,323,558	*	663,804
TOTAL		6875.9	164,893,809	1,489,660,606	*	94,878,977

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	209	79.0	1,517,623	15,687,500	*	703,782
102 SOIL PLNT WTR NUTRI	777	267.8	6,123,689	54,251,541	*	2,738,781
103 MGMT OF SALINE SOILS	74	22.6	343,181	5,315,068	*	196,867
104 ALTERN USE OF LAND	118	26.3	804,575	5,155,887	*	222,169
105 CONSERV USE OF WATER	326	93.8	1,649,686	17,812,760	*	1,025,781
106 DRAIN AND IRRIGATION	120	43.1	652,591	10,661,320	*	154,884
107 WATERSHED PROT & MGMT	159	54.5	1,096,768	10,024,272	*	1,072,163
108 ECON LEG PROB OF WAT	74	22.3	365,831	2,839,822	*	111,122
109 WEATHER ADAPT & MOD	134	41.9	946,562	7,756,849	*	209,494
110 APPRAIS FORST & RANGS	105	36.1	915,652	6,571,452	*	241,814
111 BIOL CULT MGMT FORSTS	275	98.7	3,590,062	19,316,989	*	2,621,321
112 IMPROV RANGE RESOR	177	57.1	1,472,411	11,087,721	*	701,510
113 REMOTE SENSING	56	18.0	420,375	3,439,119	*	206,321
114 RSCH ON MGMT OF RSCH	42	17.4	833,327	15,520,070	*	188,405
SUBTOTAL		883.5	20,732,334	185,440,369	*	10,394,416
SERIES 200						
201 CNTRL FORST INSECTS	145	32.4	1,251,478	7,385,115	*	1,957,199
202 CONTROL FOREST DIS	116	31.2	1,076,050	5,782,099	*	317,301
203 FOREST FIRE PROTECT	5	1.5	46,485	294,763	*	4,306
204 CNTR PESTS FRT & VEGS	514	137.6	3,591,636	29,214,647	*	1,974,823
205 CNTR DISE FRT & VEG	742	230.0	4,646,450	46,826,336	*	4,294,454
206 CNTR WEEDS FRT & VEG	167	38.4	1,018,155	7,449,251	*	262,251
207 CNTR PESTS FLD CROPS	611	187.2	4,902,195	35,859,222	*	3,604,533
208 CNTR DIS FIELD CROPS	709	224.4	5,247,602	42,534,835	*	2,228,629
209 CNTR WEEDS FLD CROPS	336	108.2	2,893,212	23,613,157	*	1,252,536
210 CONTR PESTS ANIMALS	146	44.9	1,030,893	7,768,106	*	330,346
211 CONTR DIS ANIMALS	731	256.2	6,786,327	65,443,885	*	4,926,768
212 CNTR INTER PARASITES	89	28.0	822,134	5,745,983	*	344,321
213 PROT ANMLS FROM TOXINS	83	30.7	684,886	6,638,610	*	68,184
214 PROTECT FROM POLLUTION	183	53.5	1,581,089	13,814,483	*	2,889,357
SUBTOTAL		1404.3	35,578,592	298,370,494	*	24,455,007
SERIES 300						
301 GENET BREED FORST TRE	87	37.1	1,190,608	7,520,529	*	469,785
302 IMP FOREST ENG SYS	30	8.9	223,136	2,181,788	*	333,956
303 ECON TIMBER PRODUCTN	57	19.6	776,430	3,567,667	*	115,987
304 IMP BIO EFF FRT & VEGS	949	323.3	7,804,331	68,575,574	*	4,462,084
305 MECH PROD FRT & VEGS	84	24.9	775,294	4,739,308	*	27,338
306 PROD MGMT SYS F & V	128	27.0	607,220	5,186,083	*	261,185
307 IMP BIO EFF FLD CRP	1275	506.2	11,363,212	111,421,405	*	7,252,441
308 MECH PROD FIELD CROPS	96	29.0	732,599	5,632,860	*	163,492
309 PROD MGMT SYS FLD CRP	360	94.3	2,041,727	17,862,053	*	517,102
310 ANIMAL REPRODUCTION	534	188.6	7,276,520	57,985,147	*	4,370,250
311 IMP BIO EFF ANML PR	1105	449.0	15,761,982	138,263,430	*	3,949,989
312 ENV STRESS IN ANML PR	161	43.9	1,502,645	11,014,589	*	25,991
313 PROD MGMT SYS ANML PR	258	62.1	1,966,825	16,210,909	*	165,288
314 BEES OTH POLLNTNG INS	43	12.0	209,084	2,424,688	*	235,808
315 IMP STRUC FARM SUPP	96	39.4	922,934	6,537,259	*	347,984
316 FARM BUSINESS MGMT	145	47.0	920,502	6,395,577	*	222,640
317 MECH/STRUCTS ANML PRD	27	5.2	104,773	1,136,120	*	87,604
318 NON COM BIO TECH/EIMET	1357	521.9	7,713,203	122,178,574	*	9,979,296
SUBTOTAL		2439.5	61,884,026	588,933,562	*	32,988,220
SERIES 400						
401 NEW IMP FOREST PROD	170	68.1	1,394,242	13,646,724	*	1,859,298
402 PROD F & V IMP ACCEPT	272	49.0	974,030	10,892,718	*	706,731
403 NEW & IMP F & V PROD	169	58.3	1,138,433	10,474,288	*	304,254
404 MKT QUAL FRTS & VEGS	175	59.0	1,532,508	11,821,879	*	547,122
405 PROD FLD CROP IMP ACPT	269	80.6	1,685,651	18,600,468	*	889,427
406 NEW IMP FOOD FLD CROP	143	41.5	1,016,759	8,233,313	*	94,485
407 NEW IMP NON FOOD FC	89	25.3	475,877	6,420,664	*	527,820
408 MKT QUAL FIELD CROPS	84	28.2	586,134	4,720,266	*	131,752
409 PROD ANML PR IMP ACCP	143	51.7	1,871,175	13,609,215	*	395,387
410 IMP MEAT MILK EGG PR	238	85.8	2,249,816	17,382,509	*	385,002
411 IMP NON FOOD ANML PR	18	6.0	132,585	885,918	*	41
412 MKT QUAL ANIMAL PROD	78	18.6	551,394	3,957,864	*	12,072
SUBTOTAL		573.1	13,608,605	120,645,826	*	5,853,391
SERIES 500						
501 IMP GRADES & STANDS	51	10.7	235,647	1,790,445	*	92,392
502 MKTG TIMBER PRODUCTS	31	8.4	179,119	1,024,865	*	145,399
503 MKTG EFF AGRI PRODS	146	45.3	1,031,767	6,885,077	*	646,300
506 SPLY DEMAND AND PRIC	189	58.3	1,542,577	9,895,533	*	1,293,929
507 COMP REL IN AGRIC	57	9.7	255,501	1,417,930	*	83,914
508 DOMESTIC MKT DEVELP	54	12.5	257,862	2,128,177	*	109,085
509 PERFORMANCE MKTG SYS	142	37.5	1,214,026	5,249,626	*	425,586
510 GROUP ACT MKT POWER	21	3.9	97,132	592,140	*	69,919
511 IMP AGRIC STATISTICS	39	8.3	183,910	2,469,079	*	1,298,394
512 IMP GRADES FRST PROD	9	0.8	66,849	361,410	*	146,851
513 PRICE ANAL FRST PROD	18	6.3	154,101	915,410	*	120,041
SUBTOTAL		201.7	5,218,491	32,729,694	*	4,431,809
SERIES 600						
601 FGN MKT DEVELP	115	50.5	815,183	11,520,477	*	2,416,049
602 EVAL FGN FOOD AID PGM	4	1.1	680	259,943	*	38,553
603 TECH AID DEV CNTY	49	26.5	112,264	9,322,396	*	221,102
604 PRD DVLPMT/MKTG FFGN	29	7.9	193,562	1,637,685	*	253,943
SUBTOTAL		86.1	1,121,690	22,740,501	*	2,929,648
SERIES 700						
701 TOX RES IN FOOD	128	45.0	1,143,525	9,653,546	*	2,681,051
702 FOOD PROT FROM TOX	151	50.4	1,465,561	13,013,443	*	293,478
703 FOOD CONSUMP HABITS	116	33.2	720,241	5,534,917	*	442,381
704 HOME COMM FOOD SERV	28	8.0	262,883	1,116,297	*	4,422
705 SEL CARE CLOTH & TEXTL	71	16.2	325,422	2,113,617	*	40,490
706 CONTR INSECTS AFF MAN	112	37.5	702,138	7,144,131	*	135,424
707 TRANS ANIML MAN DIS	24	5.8	30,545	1,068,129	*	6,343
708 HUMAN NUTRITION	332	120.8	2,484,115	28,019,211	*	1,489,650
709 REDUCE HAZ HLTH & SFTY	61	14.3	279,503	2,596,624	*	39,024
SUBTOTAL		331.3	7,413,934	70,259,914	*	5,132,263

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 800						
801 RURAL HOUSING	46	10.2	194,246	1,772,140	*	61,097
802 INDIV & FAM DEC MAKING	198	59.9	693,158	6,034,189	*	30,732
803 RURAL POVERTY	20	2.6	46,908	551,409	*	42,335
804 ECON POTENT RURL PEO	81	18.8	590,763	2,265,576	*	83,997
805 COMMUNICAT EDUC PROC	130	47.6	434,456	5,985,050	*	40,020
806 ADJUSTMENT TO CHANGE	184	59.7	1,050,912	7,412,816	*	263,777
807 AGRIC ECONOMIC CHANGE	147	56.4	1,291,191	7,969,849	*	509,854
808 GOVT PROGRAMS	51	14.7	343,807	2,715,436	*	411,976
SUBTOTAL		270.0	4,645,441	34,706,466	*	1,443,788
SERIES 900						
901 ALLEV POLLUTION	444	144.3	3,515,839	30,411,910	*	1,905,972
902 OUTDOOR RECREATION	99	28.4	596,882	4,620,590	*	262,055
903 MULTI USE FOREST POTEN	78	23.8	828,353	4,187,066	*	193,405
904 WLDLFE AND FISH ECOL	519	215.2	2,842,260	48,894,092	*	3,408,895
905 TREES BEAUTIFICATION	94	21.3	489,242	3,619,181	*	142,875
906 ORNAMENT & TURF DEV	508	181.8	4,231,729	33,880,941	*	431,274
907 RURAL INCOME IMP	115	37.3	1,016,687	4,578,895	*	239,352
908 RURAL INSTITUT IMP	144	34.4	1,169,705	5,641,105	*	666,606
SUBTOTAL		686.5	14,690,697	135,833,780	*	7,250,434
SCIENCE IN SERV OF MAN						
GRAND TOTAL		6875.9	164,893,809	1,489,660,606	*	94,878,977

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ALABAMA AUBURN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	15	4.2	195,006	1,481,316	*	4,800
0200 WATER	8	1.7	68,363	421,859	*	3,200
0300 WATERSHEDS RIVER BAS	1	0.1	14,112	58,739	*	0
0500 RECREATION RESOURCES	3	0.7	30,801	134,809	*	0
0600 TIMBER FORST PRODUCT	31	19.4	574,011	3,569,038	*	514,898
0800 WILDLIFE AND FISH	27	17.7	196,438	3,988,693	*	54,879
1000 FRUIT NUTS DECIDUOUS	13	3.8	153,413	889,519	*	14,229
1100 POTATOES	2	0.3	1,919	81,030	*	0
1200 VEGETABLES	16	5.0	193,332	1,199,770	*	0
1300 ORNAMENTALS TURF	12	6.6	141,972	1,123,666	*	43,649
1400 CORN	6	1.5	41,824	355,474	*	3,999
1500 GRAIN SORGHUM	3	0.4	10,200	184,901	*	3,999
1700 WHEAT	4	0.4	12,829	135,682	*	3,999
1800 OTHER SMALL GRAINS	1	0.1	2,714	5,558	*	0
2000 FORAGE CROPS	7	2.4	138,016	734,918	*	2,468
2100 COTTON	11	2.9	97,641	724,537	*	3,999
2300 SOYBEANS	20	5.7	203,450	1,458,110	*	46,022
2400 PEANUTS	9	3.9	100,416	1,087,189	*	46,963
2500 OTHER OILSEED CROPS	1	0.1	8,644	36,797	*	0
2800 MISC NEW CROPS	1	0.2	5,489	57,405	*	0
2900 POULTRY	18	10.2	332,791	2,987,786	*	26,825
3000 BEEF CATTLE	16	5.8	327,868	2,262,101	*	3,109
3100 DAIRY CATTLE	12	3.7	160,853	1,458,097	*	0
3200 SWINE	11	3.7	298,270	1,635,918	*	1,332
3300 SHEEP AND WOOL	2	0.4	12,985	63,409	*	0
3400 OTHER ANIMALS	1	0.4	14,760	38,641	*	0
3500 BEES AND HONEY	1	0.2	5,260	43,640	*	0
3600 FARM SUPP & FACILITS	2	1.3	40,658	218,624	*	31,207
3700 CLOTHING & TEXTILES	1	0.5	12,673	55,823	*	0
3800 FOOD	3	1.8	36,265	236,112	*	0
3900 HOUSING & EQUIP	2	1.6	66,555	258,655	*	16,241
4000 PEOPLE AS INDIVIDUALS	5	1.4	39,276	168,252	*	0
4100 FAMILY MEMBERS	5	1.5	21,240	135,043	*	0
4200 FARM AS BUSINESS	4	1.7	53,920	214,119	*	7,871
4300 SOC POLIT ORGANIZ	5	1.5	63,530	154,470	*	0
4400 AGRIC ECONOMY U S	6	1.7	88,640	281,131	*	35,888
4500 AGRIC ECONOMY FORGN	1	0.2	532	45,990	*	21,937
4800 MARKETING SYSTEMS	2	0.2	30,082	58,512	*	10,137
6100 WEEDS	1	0.1	10,500	57,519	*	0
6300 BIO CELL SYSTEMS	6	1.0	11,450	168,315	*	0
6400 EXP DESIGN/STAT METHOD	1	0.0	2,227	2,227	*	0
6500 INVERTEBRATES	8	2.1	47,893	341,526	*	31,830
6600 MICROORGANISMS VIRUSES	11	2.5	74,501	379,334	*	1,939
6700 PLANTS	8	1.6	26,542	264,086	*	10,740
6800 ANIMALS(VERTEBRATES)	3	0.7	21,060	102,276	*	1,087
TOTAL		122.7	3,990,922	29,360,617	*	947,247

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ALASKA FAIRBANKS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	3	1.1	121,389	174,886	*	0
0200 WATER	2	0.1	7,319	7,319	*	0
0400 AIR AND CLIMATE	2	0.2	18,166	21,140	*	0
0500 RECREATION RESOURCES	1	0.4	21,145	69,738	*	0
0600 TIMBER FORST PRODUCT	3	1.6	319,560	674,528	*	0
0800 WILDLIFE AND FISH	8	0.7	14,097	635,569	*	0
1100 POTATOES	2	0.1	6,044	23,499	*	5,000
1200 VEGETABLES	1	0.8	4,507	193,485	*	0
1700 WHEAT	2	0.9	31,286	184,960	*	0
1800 OTHER SMALL GRAINS	4	1.2	113,423	235,813	*	0
2000 FORAGE CROPS	1	0.1	7,857	24,049	*	0
2500 OTHER OILSEED CROPS	1	0.2	12,088	36,999	*	0
2800 MISC NEW CROPS	1	0.1	7,253	22,199	*	0
3000 BEEF CATTLE	1	0.7	97,781	224,411	*	0
3100 DAIRY CATTLE	2	0.9	274,999	592,784	*	0
3200 SWINE	2	0.7	67,662	141,268	*	0
3400 OTHER ANIMALS	3	0.5	25,562	384,337	*	0
4200 FARM AS BUSINESS	1	0.2	9,689	40,307	*	0
4300 SOC POLIT ORGANIZ	2	0.3	16,031	65,021	*	0
6400 EXP DESIGN/STAT METHOD	1	0.1	8,884	8,884	*	0
6700 PLANTS	1	0.2	5,555	39,303	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	8,884	8,884	*	0
TOTAL		11.2	1,199,181	3,809,383	*	5,000

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- AMERICAN SAMOA PAGO PAGO SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0900 CITRUS SUB TROP FRUT	1	0.0	25,000	25,000	*	0
1200 VEGETABLES	3	0.0	90,000	105,760	*	0
3200 SWINE	1	0.0	175,000	175,000	*	0
TOTAL		0.0	290,000	305,760	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ARIZONA TUCSON SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	23	8.6	64,350	1,329,482	*	75,385
0200 WATER	30	12.1	86,597	1,843,801	*	111,420
0300 WATERSHEDS RIVER BAS	6	2.5	72,029	731,465	*	391,444
0400 AIR AND CLIMATE	1	0.4	3,162	39,758	*	554
0500 RECREATION RESOURCES	6	2.0	20,883	397,375	*	23,759
0600 TIMBER FORST PRODUCT	12	3.1	23,732	597,077	*	64,819
0700 RANGE	16	4.7	38,042	627,346	*	107,001
0800 WILDLIFE AND FISH	10	2.9	40,268	755,943	*	32,139
0900 CITRUS SUB TROP FRUT	7	2.1	12,256	434,527	*	4,727
1000 FRUIT NUTS DECIDUCUS	10	4.2	30,726	1,308,649	*	153,660
1200 VEGETABLES	22	7.3	108,346	1,585,785	*	59,218
1300 ORNAMENTALS TURF	11	5.1	28,771	1,238,233	*	45,887
1400 CORN	5	0.6	7,540	462,630	*	77,700
1500 GRAIN SORGHUM	1	0.6	9,225	562,180	*	6,100
1700 WHEAT	7	1.0	7,051	170,559	*	2,068
1800 OTHER SMALL GRAINS	9	1.6	18,969	465,456	*	63,323
2000 FORAGE CROPS	13	5.2	102,801	1,449,572	*	73,606
2100 COTTON	23	10.1	240,335	2,586,290	*	68,786
2200 COTTONSEED	2	0.5	22,261	107,873	*	1,171
2300 SOYBEANS	2	0.3	1,381	56,791	*	638
2500 OTHER OILSEED CROPS	2	0.1	34	49,361	*	13,073
2600 TOBACCO	1	0.3	1,556	278,246	*	3,019
2700 SUGAR CROPS	1	0.9	11,712	181,283	*	2,017
2800 MISC NEW CROPS	9	3.9	14,689	1,192,145	*	279,962
2900 POULTRY	5	1.1	21,789	514,535	*	103,281
3000 BEEF CATTLE	20	8.1	102,041	2,019,827	*	84,120
3100 DAIRY CATTLE	21	10.4	214,137	2,793,936	*	32,153
3200 SWINE	4	1.1	35,044	372,214	*	73,818
3300 SHEEP AND WOOL	8	0.8	39,976	344,332	*	93,502
3400 OTHER ANIMALS	10	2.4	69,730	789,235	*	74,385
3500 BEES AND HONEY	1	0.1	32,826	173,442	*	1,937
3700 CLOTHING & TEXTILES	3	3.5	3,519	57,147	*	620
3800 FOOD	5	2.1	22,764	479,915	*	5,596
3900 HOUSING & EQUIP	3	0.2	1,224	45,131	*	489
4000 PEOPLE AS INDIVIDUALS	23	16.8	66,040	743,641	*	8,957
4100 FAMILY MEMBERS	16	21.6	24,791	725,698	*	16,693
4200 FARM AS BUSINESS	4	1.9	7,357	253,657	*	2,762
4300 SOC POLIT ORGANIZ	7	4.4	7,459	353,178	*	5,829
4400 AGRIC ECONOMY U S	2	0.3	0	7,986	*	87
4500 AGRIC ECONOMY FORGN	1	0.1	3,866	12,698	*	138
6300 BIO CELL SYSTEMS	5	0.6	31,105	176,759	*	1,979
6400 EXP DESIGN/STAT METHOD	2	1.0	53	26,154	*	284
6500 INVERTEBRATES	9	7.1	54,066	1,022,009	*	75,573
6600 MICROORGANISMS VIRUSES	9	1.9	19,841	381,089	*	54,659
6700 PLANTS	20	3.9	50,584	1,331,388	*	288,077
6800 ANIMALS(VERTEBRATES)	7	8.5	28,872	1,911,118	*	22,778
7000 RSCH EQUIP & TECHNOLOGY	4	0.7	8,242	100,961	*	1,872
TOTAL		178.6	1,812,045	33,087,879	*	2,611,086

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ARKANSAS FAYETTEVILLE SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	20	6.2	90,420	1,390,948	*	44,229
0200 WATER	15	4.1	53,886	611,928	*	14,677
0300 WATERSHEDS RIVER BAS	5	0.2	16,723	72,668	*	2,803
0400 AIR AND CLIMATE	3	0.1	5,166	41,568	*	2,803
0500 RECREATION RESOURCES	1	0.3	7,720	31,964	*	1,658
0600 TIMBER FORST PRODUCT	26	10.5	447,398	1,472,042	*	87,359
0700 RANGE	1	0.1	0	28,871	*	0
0800 WILDLIFE AND FISH	1	0.3	6,617	27,398	*	1,421
1000 FRUIT NUTS DECIDUOUS	23	2.7	219,642	1,248,310	*	2,707
1200 VEGETABLES	23	5.8	233,230	1,162,750	*	5,376
1300 ORNAMENTALS TURF	5	1.7	28,416	190,560	*	67
1400 CORN	10	1.0	15,427	199,181	*	223
1500 GRAIN SORGHUM	17	1.5	26,296	395,554	*	64,055
1600 RICE	27	9.3	153,806	2,835,982	*	181,908
1700 WHEAT	15	3.8	74,582	788,960	*	886
1800 OTHER SMALL GRAINS	3	0.6	4,451	155,703	*	0
1900 PASTURE	3	0.5	678	111,146	*	258
2000 FORAGE CROPS	12	2.4	10,766	433,011	*	50,867
2100 COTTON	29	7.7	254,140	1,677,975	*	95,217
2300 SOYBEANS	39	12.7	346,913	3,093,425	*	86,277
2400 PEANUTS	1	0.1	4,820	28,950	*	67
2800 MISC NEW CROPS	1	0.1	7,087	7,087	*	0
2900 POULTRY	26	8.9	430,269	2,784,429	*	476,334
3000 BEEF CATTLE	23	8.1	336,977	2,253,791	*	65,186
3100 DAIRY CATTLE	10	3.2	156,805	869,384	*	0
3200 SWINE	9	0.2	78,085	363,226	*	0
3300 SHEEP AND WOOL	2	0.3	13,787	64,481	*	0
3400 OTHER ANIMALS	4	0.8	13,128	208,726	*	0
3600 FARM SUPP & FACILITS	1	0.1	1,756	4,876	*	0
3700 CLOTHING & TEXTILES	3	1.9	40,968	161,021	*	0
3800 FOOD	1	0.1	9,061	12,167	*	0
3900 HOUSING & EQUIP	3	2.0	3,398	201,990	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.3	45,018	202,504	*	0
4100 FAMILY MEMBERS	4	1.2	12,292	171,847	*	0
4200 FARM AS BUSINESS	3	1.1	23,753	109,424	*	0
4300 SOC POLIT ORGANIZ	4	3.4	43,600	261,077	*	4,184
4400 AGRIC ECONOMY U S	2	0.3	18,361	28,417	*	0
4600 FARM COOPERATIVES	1	0.1	5,625	13,925	*	2,376
4700 OTH MARKET PROCESS	1	0.1	5,625	13,925	*	2,376
4800 MARKETING SYSTEMS	3	0.7	25,383	80,842	*	3,172
6100 WEEDS	2	0.4	14,109	74,279	*	0
6400 EXP DESIGN/STAT METHOD	2	2.6	6,987	176,056	*	3
6500 INVERTEBRATES	5	1.1	24,439	155,445	*	29,150
6600 MICROORGANISMS VIRUSES	9	2.0	98,610	373,546	*	45,662
6700 PLANTS	6	1.1	35,389	205,976	*	71,235
6800 ANIMALS(VERTEBRATES)	1	0.0	0	2,446	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.3	10,990	62,034	*	0
TOTAL		113.0	3,462,599	24,861,814	*	1,342,537

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- CALIFORNIA BERKELEY SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	60	22.2	273,782	5,613,521	*	36,913
0200 WATER	50	17.4	194,661	4,306,272	*	61,755
0300 WATERSHEDS RIVER BAS	9	2.1	47,620	786,133	*	2,185
0400 AIR AND CLIMATE	15	6.2	58,899	1,085,032	*	2,290
0500 RECREATION RESOURCES	3	1.9	27,441	303,766	*	5,556
0600 TIMBER FORST PRODUCT	72	29.9	514,175	6,112,812	*	217,401
0700 RANGE	16	6.9	50,113	1,654,056	*	2,305
0800 WILDLIFE AND FISH	58	24.3	235,830	6,265,637	*	178,097
0900 CITRUS SUB TROP FRUT	49	17.8	130,314	5,720,327	*	116,791
1000 FRUIT NUTS DECIDUCUS	94	41.8	381,980	11,493,104	*	510,925
1100 POTATOES	13	3.7	27,735	705,247	*	40,793
1200 VEGETABLES	91	30.6	287,279	7,846,398	*	350,044
1300 ORNAMENTALS TURF	27	8.9	46,244	1,797,836	*	2,747
1400 CORN	7	4.8	3,800	753,422	*	87,693
1500 GRAIN SORGHUM	4	0.2	4,000	43,042	*	0
1600 RICE	13	3.0	17,819	827,742	*	92,236
1700 WHEAT	19	2.0	34,629	1,128,667	*	299,228
1800 OTHER SMALL GRAINS	17	3.8	37,247	1,242,618	*	70,470
1900 PASTURE	1	0.0	167	2,069	*	0
2000 FORAGE CROPS	29	9.8	97,256	2,119,521	*	13,406
2100 COTTON	24	6.1	79,259	1,407,081	*	0
2300 SOYBEANS	7	2.5	19,040	518,347	*	27,477
2500 OTHER OILSEED CROPS	11	5.1	83,193	1,132,894	*	19,493
2700 SUGAR CROPS	5	1.0	3,961	152,762	*	0
2800 MISC NEW CROPS	6	3.0	23,525	887,849	*	192,035
2900 POULTRY	34	11.3	156,307	2,524,170	*	111,403
3000 BEEF CATTLE	41	7.9	82,591	2,651,100	*	254,694
3100 DAIRY CATTLE	46	13.9	132,951	2,540,778	*	336,208
3200 SWINE	10	1.0	14,023	417,244	*	223,023
3300 SHEEP AND WOOL	31	6.2	116,401	1,964,795	*	171,904
3400 OTHER ANIMALS	27	10.5	52,836	2,981,812	*	0
3500 BEES AND HONEY	14	4.3	31,650	832,851	*	7,353
3600 FARM SUPP & FACILITS	3	0.4	3,842	81,311	*	0
3700 CLOTHING & TEXTILES	8	2.5	20,924	420,093	*	36,504
3800 FOOD	38	18.0	121,477	4,920,932	*	866,479
3900 HOUSING & EQUIP	7	1.5	651	289,597	*	0
4000 PEOPLE AS INDIVIDUALS	43	13.5	103,916	2,926,108	*	53,765
4100 FAMILY MEMBERS	9	2.1	30,084	456,366	*	5,939
4200 FARM AS BUSINESS	5	0.6	9,981	108,261	*	0
4300 SOC POLIT ORGANIZ	14	2.8	25,989	487,136	*	7,919
4400 AGRIC ECONOMY U S	12	6.9	28,316	1,156,799	*	64,368
4500 AGRIC ECONOMY FORGN	6	3.4	7,221	597,055	*	36,572
4600 FARM COOPERATIVES	3	0.6	6,860	103,535	*	3,937
4800 MARKETING SYSTEMS	6	3.0	20,044	374,166	*	19,588
6100 WEEDS	11	2.4	33,910	557,592	*	146,464
6200 SEED RESEARCH	6	2.3	20,100	1,064,167	*	0
6300 BIO CELL SYSTEMS	25	12.2	50,457	3,293,881	*	1,104
6400 EXP DESIGN/STAT METHOD	13	4.2	3,407	688,963	*	58,550
6500 INVERTEBRATES	85	37.7	415,455	8,007,413	*	234,185
6600 MICROORGANISMS VIRUSES	79	34.3	192,623	8,127,589	*	756,389
6700 PLANTS	140	57.0	387,341	12,728,060	*	1,628,099
6800 ANIMALS(VERTEBRATES)	57	22.3	106,220	5,513,583	*	142,004
6900 RESEARCH ON RSCH MGMT	3	2.8	86,361	11,457,081	*	49,175
7000 RSCH EQUIP & TECHNOLOGY	13	3.4	8,365	681,771	*	39,522
TOTAL		543.8	4,950,275	141,860,369	*	7,584,990

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- COLORADO FT COLLINS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	11	5.1	75,692	655,103	*	55,123
0200 WATER	28	24.3	175,962	5,912,209	*	57,582
0300 WATERSHEDS RIVER BAS	6	0.9	65,933	135,618	*	15,547
0400 AIR AND CLIMATE	5	2.5	3,246	337,793	*	63
0500 RECREATION RESOURCES	3	1.3	40,986	110,805	*	5,433
0600 TIMBER FORST PRODUCT	10	4.7	176,361	505,550	*	90,004
0700 RANGE	12	15.2	322,226	1,753,461	*	110,077
0800 WILDLIFE AND FISH	3	0.6	32,003	56,802	*	5,244
1000 FRUIT NUTS DECIDUOUS	13	5.5	105,245	718,406	*	65,041
1100 POTATOES	12	2.9	1,196	386,569	*	52,724
1200 VEGETABLES	14	5.4	75,128	517,101	*	2,064
1300 ORNAMENTALS TURF	8	4.4	16,307	379,486	*	344
1400 CORN	14	5.4	60,978	791,752	*	179,258
1500 GRAIN SORGHUM	4	0.6	11,954	68,398	*	23,918
1700 WHEAT	19	19.4	56,519	2,496,888	*	163,554
1800 OTHER SMALL GRAINS	13	3.1	43,647	356,464	*	88,151
1900 PASTURE	3	0.3	15,925	36,408	*	10,695
2000 FORAGE CROPS	11	5.0	133,410	648,942	*	10,473
2300 SOYBEANS	3	2.0	37,381	207,438	*	0
2500 OTHER OILSEED CROPS	3	0.7	6,850	106,729	*	15,752
2700 SUGAR CROPS	2	0.2	1,296	20,947	*	5,435
2800 MISC NEW CROPS	3	0.3	12,173	44,914	*	0
2900 POULTRY	3	1.9	64,394	283,654	*	0
3000 BEEF CATTLE	20	19.2	411,927	2,347,698	*	151,759
3100 DAIRY CATTLE	6	2.5	65,119	408,570	*	30,749
3200 SWINE	1	0.5	7,427	44,344	*	0
3300 SHEEP AND WOOL	9	4.6	70,268	652,833	*	102,633
3600 FARM SUPP & FACILITS	1	0.4	203	38,429	*	3,769
3700 CLOTHING & TEXTILES	1	0.1	5,968	7,610	*	0
3800 FOOD	4	1.3	60,750	153,653	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.2	13,716	28,299	*	0
4100 FAMILY MEMBERS	3	0.6	34,135	62,280	*	0
4200 FARM AS BUSINESS	3	1.2	16,089	120,536	*	38,086
4300 SOC POLIT ORGANIZ	6	1.5	53,348	183,214	*	0
4400 AGRIC ECONOMY U S	2	1.9	12,628	142,875	*	72,403
4700 OTH MARKET PROCESS	1	0.8	6,212	52,223	*	34,317
6100 WEEDS	4	1.5	15,362	109,019	*	5,206
6200 SEED RESEARCH	5	1.6	14,622	366,138	*	127,422
6300 BIO CELL SYSTEMS	1	0.8	34,043	65,023	*	4,680
6500 INVERTEBRATES	4	0.7	0	80,088	*	24,084
6600 MICROORGANISMS VIRUSES	3	1.1	2,662	197,935	*	49,320
6700 PLANTS	14	4.8	89,430	1,066,457	*	607,010
6800 ANIMALS(VERTEBRATES)	2	0.5	8,256	112,627	*	3,769
7000 RSCH EQUIP & TECHNOLOGY	5	2.8	91,387	689,732	*	381,186
TOTAL		160.0	2,548,367	23,461,025	*	2,592,875

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- CONNECTICUT NEW HAVEN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	8	2.6	51,596	321,375	*	0
0200 WATER	6	2.4	99,163	295,776	*	0
0300 WATERSHEDS RIVER BAS	2	0.7	2,804	84,545	*	5,638
0600 TIMBER FORST PRODUCT	11	4.8	179,102	472,918	*	0
0800 WILDLIFE AND FISH	1	0.4	0	56,031	*	0
1000 FRUIT NUTS DECIDUOUS	12	5.4	69,172	547,487	*	14,205
1100 POTATOES	2	0.3	259	33,493	*	0
1200 VEGETABLES	15	6.0	100,676	619,735	*	0
1300 ORNAMENTALS TURF	8	4.3	69,309	449,825	*	0
1400 CORN	5	0.6	6,249	61,003	*	0
1700 WHEAT	3	1.1	28,992	115,487	*	0
2000 FORAGE CROPS	4	0.6	23,211	66,340	*	0
2600 TOBACCO	10	5.2	98,203	609,454	*	0
2800 MISC NEW CROPS	1	0.7	0	89,139	*	0
2900 POULTRY	1	0.3	3,559	31,836	*	0
3000 BEEF CATTLE	1	0.0	0	3,820	*	0
3100 DAIRY CATTLE	2	0.3	3,559	35,656	*	0
3200 SWINE	1	0.0	0	3,820	*	0
3300 SHEEP AND WOOL	1	0.0	0	3,820	*	0
3400 OTHER ANIMALS	2	0.6	0	67,296	*	0
3600 FARM SUPP & FACILITS	2	0.4	0	50,936	*	0
3700 CLOTHING & TEXTILES	1	0.1	0	14,791	*	0
3800 FOOD	1	0.7	0	89,139	*	0
4000 PEOPLE AS INDIVIDUALS	3	2.9	25,688	304,280	*	0
6500 INVERTEBRATES	3	2.5	40,010	264,132	*	11,210
6700 PLANTS	4	1.6	15,560	190,862	*	0
6800 ANIMALS(VERTEBRATES)	1	0.9	0	112,061	*	0
TOTAL		45.5	817,113	4,995,058	*	31,053

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- CONNECTICUT STORRS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	3	0.7	20,843	129,790	*	250
0200 WATER	1	0.3	15,416	44,001	*	250
0400 AIR AND CLIMATE	2	0.3	59,141	248,649	*	31,500
0600 TIMBER FORST PRODUCT	4	0.6	25,170	159,145	*	38,499
0800 WILDLIFE AND FISH	4	1.5	16,294	304,653	*	0
1100 POTATOES	1	0.2	0	4,018	*	4,018
1200 VEGETABLES	1	0.3	15,416	44,001	*	250
1300 ORNAMENTALS TURF	8	3.0	70,031	543,930	*	0
1400 CORN	2	0.6	17,798	87,058	*	250
2000 FORAGE CROPS	2	1.0	15,416	147,868	*	250
2100 COTTON	1	0.1	4,516	13,359	*	0
2900 POULTRY	9	2.5	167,152	735,708	*	0
3000 BEEF CATTLE	3	0.4	5,979	49,039	*	0
3100 DAIRY CATTLE	16	4.0	144,477	968,943	*	35,132
3200 SWINE	1	0.1	0	373	*	373
3300 SHEEP AND WOOL	2	0.7	9,085	106,915	*	0
3400 OTHER ANIMALS	5	1.3	16,783	294,039	*	0
3500 BEES AND HONEY	1	0.0	191	5,694	*	0
3800 FOOD	2	0.8	37,093	177,118	*	94,905
3900 HOUSING & EQUIP	1	0.6	64,397	131,095	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.9	46,379	384,354	*	0
4100 FAMILY MEMBERS	1	0.0	0	11,513	*	0
4300 SOC POLIT ORGANIZ	1	1.3	38,230	116,841	*	0
4400 AGRIC ECONOMY U S	1	0.3	15,053	44,529	*	0
4600 FARM COOPERATIVES	2	0.1	4,637	22,140	*	11,863
4800 MARKETING SYSTEMS	2	0.1	4,637	22,140	*	11,863
6600 MICROORGANISMS VIRUSES	1	0.9	27,722	254,019	*	0
6800 ANIMALS(VERTEBRATES)	2	0.6	46,878	190,379	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	0.5	14,699	121,264	*	0
TOTAL		23.9	903,431	5,362,574	*	229,403

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- DELAWARE NEWARK SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	19	2.4	109,533	442,481	*	448
0200 WATER	20	1.4	30,444	279,731	*	0
0400 AIR AND CLIMATE	1	0.0	0	3,005	*	0
0500 RECREATION RESOURCES	1	0.0	0	1,253	*	0
0600 TIMBER FORST PRODUCT	2	0.8	31,379	128,756	*	0
0800 WILDLIFE AND FISH	4	1.2	76,123	223,072	*	0
0900 CITRUS SUB TROP FRUT	1	0.1	0	77,313	*	0
1000 FRUIT NUTS DECIDUOUS	2	0.1	1,689	19,585	*	2,237
1100 POTATOES	1	0.0	5,036	15,129	*	0
1200 VEGETABLES	14	3.5	111,369	601,651	*	2,237
1300 ORNAMENTALS TURF	7	1.1	14,882	100,399	*	0
1400 CORN	14	3.6	193,207	751,815	*	0
1500 GRAIN SORGHUM	3	0.9	20,635	66,475	*	0
1600 RICE	1	0.0	1,071	3,121	*	0
1700 WHEAT	3	0.1	3,378	7,746	*	0
1800 OTHER SMALL GRAINS	3	0.3	5,448	28,064	*	0
2000 FORAGE CROPS	1	0.1	44	6,312	*	0
2100 COTTON	1	0.0	1,071	3,121	*	0
2300 SOYBEANS	18	1.7	91,049	382,330	*	0
2900 POULTRY	26	8.0	238,963	1,780,249	*	0
3000 BEEF CATTLE	1	0.0	0	79,830	*	0
3100 DAIRY CATTLE	8	1.2	124,784	509,934	*	0
3200 SWINE	6	1.0	19,137	320,954	*	13,321
3300 SHEEP AND WOOL	2	0.2	12,837	47,830	*	0
3400 OTHER ANIMALS	1	0.0	0	12,938	*	0
3600 FARM SUPP & FACILITS	1	0.2	12,270	67,503	*	0
3900 HOUSING & EQUIP	1	0.1	0	14,831	*	0
4300 SOC POLIT ORGANIZ	5	1.1	40,153	162,694	*	0
4500 AGRIC ECONOMY FORGN	1	0.0	0	13,004	*	0
6500 INVERTEBRATES	4	1.7	61,380	243,355	*	4,720
6600 MICROORGANISMS VIRUSES	1	0.7	2,554	45,504	*	0
6700 PLANTS	3	0.1	5,677	24,332	*	9,720
TOTAL		31.9	1,214,111	6,464,319	*	32,683

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- DIST OF COLUM WASHINGTON SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	2	0.3	29,609	54,372	*	0
0200 WATER	1	0.1	13,523	21,593	*	0
0600 TIMBER FORST PRODUCT	2	0.8	105,273	168,190	*	0
1000 FRUIT NUTS DECIDUCUS	1	0.1	29,709	47,482	*	0
1200 VEGETABLES	4	1.1	147,898	248,658	*	0
1400 CORN	1	0.1	9,376	16,297	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.0	80,186	128,019	*	0
4100 FAMILY MEMBERS	1	0.1	6,724	10,723	*	0
4300 SOC POLIT ORGANIZ	1	0.3	40,426	64,598	*	0
TOTAL		4.1	462,724	759,932	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FLORIDA GAINESVILLE SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	43	13.5	109,227	3,357,860	*	18,224
0200 WATER	31	10.9	56,900	2,583,761	*	125,752
0300 WATERSHEDS RIVER EAS	8	2.8	11,461	616,463	*	2,936
0400 AIR AND CLIMATE	1	0.0	0	16	*	0
0600 TIMBER FORST PRODUCT	32	19.3	401,803	4,235,491	*	618,099
0700 RANGE	4	2.1	34,124	375,697	*	0
0800 WILDLIFE AND FISH	15	11.2	28,972	2,280,681	*	17,143
0900 CITRUS SUB TROP FRUT	112	64.4	259,616	11,392,190	*	1,163,666
1000 FRUIT NUTS DECIDUCUS	39	13.4	57,464	2,268,476	*	138,280
1100 POTATOES	11	2.4	9,037	464,391	*	16,046
1200 VEGETABLES	128	51.1	357,379	9,996,586	*	337,238
1300 ORNAMENTALS TURF	50	26.1	349,701	4,653,157	*	99,920
1400 CORN	32	4.8	41,409	1,106,675	*	253,268
1500 GRAIN SORGHUM	17	1.1	10,241	213,424	*	23,012
1600 RICE	3	1.6	0	322,449	*	0
1700 WHEAT	15	1.8	26,488	359,348	*	2,189
1800 OTHER SMALL GRAINS	14	2.4	20,837	406,172	*	75
1900 PASTURE	20	3.0	12,511	585,851	*	33,650
2000 FORAGE CROPS	72	17.3	272,837	3,106,254	*	108,153
2100 COTTON	2	0.1	2,428	18,508	*	0
2300 SOYBEANS	42	6.1	73,010	1,167,537	*	48,330
2400 PEANUTS	32	5.4	45,090	1,223,448	*	43,708
2600 TOBACCO	4	0.3	6,143	61,026	*	0
2700 SUGAR CROPS	15	3.2	7,330	535,880	*	15,421
2800 MISC NEW CROPS	13	1.9	2,627	455,211	*	0
2900 POULTRY	14	6.5	47,887	1,304,976	*	149
3000 BEEF CATTLE	77	26.5	144,660	5,395,890	*	239,755
3100 DAIRY CATTLE	43	11.5	147,829	3,352,093	*	108,569
3200 SWINE	21	6.6	70,235	1,722,063	*	142,768
3300 SHEEP AND WOOL	6	1.8	11,307	447,785	*	19,037
3400 OTHER ANIMALS	12	2.8	34,791	746,624	*	34,737
3500 BEES AND HONEY	3	1.1	0	198,302	*	42,977
3600 FARM SUPP & FACILITS	3	1.5	4,364	137,179	*	0
3800 FOOD	12	8.6	3,765	2,486,227	*	52,100
3900 HOUSING & EQUIP	6	1.8	25,528	383,133	*	0
4000 PEOPLE AS INDIVIDUALS	10	5.5	19,811	1,156,171	*	57,720
4100 FAMILY MEMBERS	2	0.1	0	13,508	*	0
4200 FARM AS BUSINESS	6	2.4	8,954	269,406	*	0
4300 SOC POLIT ORGANIZ	9	1.8	9,031	233,199	*	0
4400 AGRIC ECONOMY U S	7	6.4	20,215	762,532	*	11,595
4500 AGRIC ECONOMY FORGN	4	1.6	2,398	172,287	*	11,996
4800 MARKETING SYSTEMS	1	2.2	65,474	387,158	*	65,505
6100 WEEDS	9	4.4	39,560	995,363	*	120,378
6200 SEED RESEARCH	1	0.0	0	26,954	*	0
6300 BIO CELL SYSTEMS	10	1.8	1,484	598,899	*	10,156
6400 EXP DESIGN/STAT METHOD	1	0.2	0	18,789	*	0
6500 INVERTEBRATES	26	9.9	52,145	1,743,060	*	66,472
6600 MICROORGANISMS VIRUSES	27	6.9	5,679	1,970,295	*	186,546
6700 PLANTS	40	12.7	43,323	4,085,162	*	348,711
6800 ANIMALS(VERTEBRATES)	8	3.5	13,672	870,677	*	0
6900 RESEARCH ON RSCH MGMT	3	0.8	11,771	137,697	*	42,772
7000 RSCH EQUIP & TECHNOLOGY	7	3.0	18,006	714,707	*	0
TOTAL		398.4	2,998,526	82,116,692	*	4,626,955

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- GEORGIA ATHENS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	27	5.4	115,908	1,119,310	*	21,658
0200 WATER	16	3.0	75,207	783,738	*	13,156
0300 WATERSHEDS RIVER EAS	1	0.2	0	66,275	*	5,076
0400 AIR AND CLIMATE	1	0.0	18	1,239	*	0
0500 RECREATION RESOURCES	3	0.5	17,117	85,163	*	18,960
0600 TIMBER FORST PRODUCT	28	11.9	398,874	3,736,155	*	431,082
0700 RANGE	1	0.1	0	799	*	0
0800 WILDLIFE AND FISH	9	2.9	211,425	1,453,366	*	16,314
1000 FRUIT NUTS DECIDUOUS	57	16.5	372,149	4,164,040	*	62,162
1200 VEGETABLES	56	19.0	455,706	4,197,739	*	119,228
1300 ORNAMENTALS TURF	18	8.6	223,289	1,867,852	*	1,105
1400 CORN	24	2.8	55,026	816,654	*	9,685
1500 GRAIN SORGHUM	21	4.0	169,804	914,306	*	70,653
1600 RICE	1	0.1	0	99,659	*	0
1700 WHEAT	25	5.3	145,042	1,158,022	*	27,104
1800 OTHER SMALL GRAINS	10	1.5	27,374	277,019	*	4,258
1900 PASTURE	8	1.4	25,854	323,326	*	188
2000 FORAGE CROPS	33	7.6	157,282	1,980,679	*	66,364
2100 COTTON	10	2.9	70,603	692,459	*	11,764
2200 COTTONSEED	1	0.1	310	7,657	*	14
2300 SOYBEANS	32	6.2	211,440	1,861,761	*	29,148
2400 PEANUTS	39	10.2	235,907	2,074,091	*	51,330
2500 OTHER OILSEED CROPS	4	0.5	2,127	134,687	*	328
2600 TOBACCO	6	1.3	7,889	467,200	*	0
2700 SUGAR CROPS	1	0.0	217	9,058	*	0
2800 MISC NEW CROPS	1	0.0	0	2,270	*	0
2900 POULTRY	32	11.4	183,581	3,101,211	*	97,339
3000 BEEF CATTLE	29	10.3	213,879	4,528,322	*	4,004
3100 DAIRY CATTLE	20	7.4	241,528	2,132,382	*	3,849
3200 SWINE	17	7.2	100,658	1,096,765	*	1,332
3300 SHEEP AND WOOL	2	0.6	3,992	82,949	*	0
3400 OTHER ANIMALS	3	0.5	893	59,095	*	141
3500 BEES AND HONEY	2	0.1	1,038	143,056	*	98,498
3600 FARM SUPP & FACILITS	4	0.2	4,960	82,100	*	11,442
3700 CLOTHING & TEXTILES	2	0.8	1,626	65,947	*	0
3800 FOOD	13	3.9	137,153	794,260	*	1,262
3900 HOUSING & EQUIP	6	2.4	66,885	402,941	*	1,838
4000 PEOPLE AS INDIVIDUALS	7	0.8	40,202	196,009	*	5,964
4100 FAMILY MEMBERS	3	0.4	14,383	44,953	*	21
4200 FARM AS BUSINESS	7	1.5	34,015	298,045	*	3,321
4300 SOC POLIT ORGANIZ	8	1.7	44,541	231,586	*	10,787
4400 AGRIC ECONOMY U S	4	1.4	67,565	210,836	*	445
4500 AGRIC ECONOMY FORGN	2	0.3	6,440	38,559	*	1,603
4600 FARM COOPERATIVES	1	0.1	268	5,082	*	0
4700 OTH MARKET PROCESS	3	0.3	999	42,274	*	8,461
4800 MARKETING SYSTEMS	3	0.8	14,309	69,061	*	0
6100 WEEDS	6	0.7	6,221	228,859	*	11,606
6200 SEED RESEARCH	1	0.0	738	18,556	*	8,743
6300 BIO CELL SYSTEMS	4	0.6	1,413	94,187	*	61,648
6400 EXP DESIGN/STAT METHOD	1	0.0	0	14,884	*	0
6500 INVERTEBRATES	11	3.5	52,417	673,045	*	36,056
6600 MICROORGANISMS VIRUSES	11	3.1	27,732	625,002	*	39,478
6700 PLANTS	37	11.8	197,550	2,450,165	*	341,498
6800 ANIMALS(VERTEBRATES)	10	1.3	5,293	220,956	*	90,857
6900 RESEARCH ON RSCH MGMT	2	0.6	78,446	108,530	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	0.2	12,443	53,947	*	0
TOTAL		185.7	4,539,735	46,408,085	*	1,799,769

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- GUAM AGANA SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.6	27,847	63,216	*	0
0600 TIMBER FORST PRODUCT	2	1.0	76,116	76,885	*	769
0700 RANGE	1	0.3	0	9,443	*	9,443
0800 WILDLIFE AND FISH	2	0.0	26,809	70,131	*	9,272
0900 CITRUS SUB TROP FRUT	7	2.2	55,632	211,238	*	86,252
1000 FRUIT NUTS DECIDUOUS	1	0.2	9,365	21,260	*	0
1100 POTATOES	1	0.0	0	10,315	*	10,315
1200 VEGETABLES	15	7.5	380,501	874,267	*	45,503
1300 ORNAMENTALS TURF	6	1.6	100,565	256,848	*	29,822
1400 CORN	2	0.0	0	6,232	*	6,232
1900 PASTURE	2	0.7	0	28,843	*	28,843
2800 MISC NEW CROPS	3	0.4	20,266	59,983	*	13,978
6100 WEEDS	1	0.0	0	513	*	513
6500 INVERTEBRATES	1	0.0	22,977	52,160	*	0
TOTAL		14.5	720,078	1,741,333	*	240,942

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- HAWAII HONOLULU SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	18	4.3	89,563	1,062,226	*	192,673
0200 WATER	13	3.1	85,647	612,973	*	51,919
0300 WATERSHEDS RIVER BAS	2	0.5	13,760	28,054	*	0
0400 AIR AND CLIMATE	1	0.0	0	479	*	0
0500 RECREATION RESOURCES	1	0.0	0	872	*	872
0600 TIMBER FORST PRODUCT	17	3.2	96,532	556,924	*	79,035
0700 RANGE	6	1.9	19,436	202,417	*	0
0800 WILDLIFE AND FISH	15	9.7	19,374	976,182	*	369,920
0900 CITRUS SUB TROP FRUT	64	14.0	130,901	2,152,739	*	607,851
1000 FRUIT NUTS DECIDUCUS	22	3.0	53,811	586,501	*	105,545
1200 VEGETABLES	65	15.5	183,927	2,303,447	*	314,197
1300 ORNAMENTALS TURF	26	9.6	208,407	1,264,556	*	0
1400 CORN	11	2.2	14,977	521,505	*	59,252
1600 RICE	2	0.2	0	63,246	*	38,131
1700 WHEAT	1	0.1	2,700	9,078	*	0
1900 PASTURE	3	0.3	2,597	26,603	*	0
2000 FORAGE CROPS	8	0.6	4,296	331,061	*	30,202
2300 SOYBEANS	2	0.1	0	31,088	*	23,108
2700 SUGAR CROPS	6	0.4	7,513	52,580	*	6,509
2800 MISC NEW CROPS	13	1.8	18,093	833,836	*	46,429
2900 POULTRY	5	2.1	22,924	411,775	*	52,845
3000 BEEF CATTLE	12	4.6	25,416	721,975	*	44,453
3100 DAIRY CATTLE	6	1.7	13,943	537,322	*	19,714
3200 SWINE	4	0.6	2,228	192,457	*	0
3300 SHEEP AND WOOL	2	0.2	12,523	80,478	*	0
3600 FARM SUPP & FACILITS	4	1.0	0	124,361	*	32,229
3700 CLOTHING & TEXTILES	3	0.0	1,141	13,250	*	0
3800 FOOD	4	6.1	24,147	359,687	*	33,828
3900 HOUSING & EQUIP	3	1.1	26,010	129,236	*	8,832
4000 PEOPLE AS INDIVIDUALS	8	2.0	29,824	202,921	*	0
4100 FAMILY MEMBERS	4	1.0	16,892	101,417	*	0
4200 FARM AS BUSINESS	2	0.3	13,788	140,856	*	115,997
4300 SOC POLIT ORGANIZ	2	0.6	0	54,759	*	0
4400 AGRIC ECONOMY U S	2	0.4	0	25,933	*	0
4500 AGRIC ECONOMY FORGN	2	0.2	0	47,757	*	31,761
4600 FARM COOPERATIVES	1	0.3	13,788	24,859	*	0
4800 MARKETING SYSTEMS	2	0.0	0	13,989	*	872
6100 WEEDS	1	0.0	1,044	4,852	*	0
6300 BIO CELL SYSTEMS	4	0.6	18,323	132,798	*	55,680
6500 INVERTEBRATES	3	0.5	0	49,894	*	9,546
6600 MICROORGANISMS VIRUSES	10	2.8	16,159	634,580	*	118,111
6700 PLANTS	17	2.2	28,436	308,558	*	60,971
6800 ANIMALS(VERTEBRATES)	3	0.1	0	95,734	*	675
6900 RESEARCH ON RSCH MGMT	2	0.0	0	24,259	*	23,924
TOTAL		99.2	1,218,120	16,050,078	*	2,535,082

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- IDAHO MOSCOW SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	20	8.9	125,137	980,943	*	88,265
0200 WATER	12	3.8	49,475	383,854	*	126,834
0300 WATERSHEDS RIVER BAS	3	0.5	13,124	55,641	*	15,971
0400 AIR AND CLIMATE	1	0.6	1,326	19,882	*	0
0500 RECREATION RESOURCES	2	0.3	14,394	301,691	*	0
0600 TIMBER FORST PRODUCT	2	0.7	0	135,976	*	0
0700 RANGE	5	5.7	11,289	188,095	*	67,625
0800 WILDLIFE AND FISH	1	0.0	13,488	13,488	*	0
1100 POTATOES	17	6.4	112,163	1,170,928	*	206,105
1200 VEGETABLES	17	9.7	154,041	1,348,128	*	84,418
1300 ORNAMENTALS TURF	2	0.5	3,105	42,862	*	0
1400 CORN	2	0.9	3,245	27,231	*	401
1700 WHEAT	22	5.8	84,002	793,104	*	171,369
1800 OTHER SMALL GRAINS	10	2.9	24,716	250,183	*	25,917
2000 FORAGE CROPS	7	1.2	40,291	586,051	*	7,715
2500 OTHER OILSEED CROPS	4	2.4	26,356	547,692	*	65,944
2700 SUGAR CROPS	5	1.2	64,955	218,768	*	0
2800 MISC NEW CROPS	1	0.0	8,249	11,708	*	0
2900 POULTRY	1	0.0	205	205	*	0
3000 BEEF CATTLE	15	10.2	218,373	1,879,385	*	225,003
3100 DAIRY CATTLE	5	0.2	46,713	417,662	*	0
3200 SWINE	1	0.1	5,980	142,800	*	0
3300 SHEEP AND WOOL	9	2.7	122,789	659,548	*	148
3400 OTHER ANIMALS	2	0.0	29,813	101,673	*	0
3600 FARM SUPP & FACILITS	3	1.2	8,085	25,561	*	0
3800 FOOD	1	0.5	9,331	36,969	*	0
3900 HOUSING & EQUIP	3	0.2	2,744	66,709	*	11,558
4000 PEOPLE AS INDIVIDUALS	5	0.9	32,605	161,397	*	0
4100 FAMILY MEMBERS	3	0.4	19,131	59,077	*	0
4200 FARM AS BUSINESS	2	1.0	20,937	107,468	*	0
4300 SOC POLIT ORGANIZ	6	2.0	44,974	236,548	*	0
4800 MARKETING SYSTEMS	1	0.3	1,109	3,084	*	0
6100 WEEDS	3	0.1	1,317	43,795	*	11,573
6200 SEED RESEARCH	2	1.3	117,960	276,654	*	0
6300 BIO CELL SYSTEMS	1	0.7	2,906	6,429	*	0
6500 INVERTEBRATES	2	0.3	17,122	68,953	*	25,146
6600 MICROORGANISMS VIRUSES	4	2.1	19,324	315,975	*	16,179
6700 PLANTS	9	2.0	39,721	292,308	*	16,907
6800 ANIMALS(VERTEBRATES)	3	1.5	27,560	430,696	*	3,791
6900 RESEARCH ON RSCH MGMT	1	0.3	3,693	66,611	*	0
7000 RSCH EQUIP & TECHNOLOGY	3	2.0	30,590	260,618	*	4,621
TOTAL		82.6	1,572,340	12,636,349	*	1,175,490

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ILLINOIS URBANA SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	34	15.0	307,044	2,341,074	*	270,344
0200 WATER	9	3.0	100,126	408,271	*	59,253
0300 WATERSHEDS RIVER BAS	4	0.4	29,851	96,621	*	0
0400 AIR AND CLIMATE	3	0.3	11,454	63,597	*	17,097
0600 TIMBER FORST PRODUCT	31	10.9	288,998	1,151,178	*	64,305
0700 RANGE	1	0.0	24,824	42,743	*	0
0800 WILDLIFE AND FISH	1	0.0	2,522	4,013	*	0
0900 CITRUS SUB TROP FRUT	1	0.2	2,776	20,096	*	0
1000 FRUIT NUTS DECIDUCUS	9	2.9	59,426	449,836	*	436
1100 POTATOES	1	0.3	841	15,627	*	0
1200 VEGETABLES	17	7.0	212,916	964,200	*	0
1300 ORNAMENTALS TURF	12	4.4	87,794	612,404	*	0
1400 CORN	64	20.2	545,706	3,438,809	*	276,268
1500 GRAIN SORGHUM	1	0.0	2,559	8,362	*	0
1700 WHEAT	13	4.4	50,979	418,966	*	3,312
1800 OTHER SMALL GRAINS	7	2.0	86,164	405,453	*	1,896
2000 FORAGE CROPS	16	3.2	99,468	719,972	*	8,157
2300 SOYBEANS	57	14.8	442,451	2,587,483	*	247,515
2500 OTHER OILSEED CROPS	4	0.9	13,918	144,105	*	355
2600 TOBACCO	2	0.5	14,112	80,146	*	0
2700 SUGAR CROPS	2	0.1	8,538	21,903	*	0
2800 MISC NEW CROPS	4	1.3	29,205	115,216	*	0
2900 POULTRY	13	5.4	138,022	1,139,201	*	90,965
3000 BEEF CATTLE	28	7.8	326,441	2,106,030	*	150,939
3100 DAIRY CATTLE	33	13.5	298,354	2,985,590	*	224,104
3200 SWINE	31	8.0	385,595	2,841,565	*	32,178
3300 SHEEP AND WOOL	3	1.5	36,956	356,504	*	0
3400 OTHER ANIMALS	9	1.7	88,954	587,852	*	93,194
3600 FARM SUPP & FACILITS	3	1.4	38,826	216,752	*	22,763
3700 CLOTHING & TEXTILES	3	1.2	16,088	96,775	*	0
3800 FOOD	13	4.3	172,358	683,337	*	3,640
3900 HOUSING & EQUIP	3	1.2	48,637	219,471	*	0
4000 PEOPLE AS INDIVIDUALS	14	2.3	80,814	487,679	*	2,273
4100 FAMILY MEMBERS	20	4.4	118,726	736,107	*	10,126
4200 FARM AS BUSINESS	8	3.8	60,379	494,795	*	10,780
4300 SOC POLIT ORGANIZ	9	2.5	83,755	263,018	*	18,368
4400 AGRIC ECONOMY U S	3	1.1	63,574	232,251	*	13,758
4500 AGRIC ECONOMY FORGN	1	0.2	596	11,738	*	313
4700 OTH MARKET PROCESS	1	0.0	17,498	17,498	*	0
6100 WEEDS	3	1.0	32,402	88,429	*	552
6300 BIO CELL SYSTEMS	4	1.9	42,287	297,909	*	724
6400 EXP DESIGN/STAT METHOD	5	1.5	12,942	172,205	*	0
6500 INVERTEBRATES	8	2.1	53,859	162,984	*	78,680
6600 MICROORGANISMS VIRUSES	11	4.4	77,864	556,475	*	99,657
6700 PLANTS	12	2.8	54,495	769,114	*	153,526
6800 ANIMALS(VERTEBRATES)	10	2.5	89,433	606,121	*	32,178
6900 RESEARCH ON RSCH MGMT	2	0.0	99,888	103,804	*	1,154
7000 RSCH EQUIP & TECHNOLOGY	2	0.5	22,256	110,259	*	0
TOTAL		169.3	4,882,669	30,453,537	*	1,988,810

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- INDIANA LAFAYETTE SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	28	7.6	226,798	1,649,125	*	121,476
0200 WATER	6	0.9	19,257	201,304	*	6,401
0300 WATERSHEDS RIVER BAS	1	0.5	6,805	107,826	*	56,006
0400 AIR AND CLIMATE	7	0.6	47,743	210,671	*	2,476
0500 RECREATION RESOURCES	2	1.1	63,732	184,927	*	423
0600 TIMBER FORST PRODUCT	31	7.8	248,630	1,587,607	*	41,311
0700 RANGE	1	0.1	601	14,189	*	0
0800 WILDLIFE AND FISH	8	2.0	17,496	446,110	*	370
0900 CITRUS SUB TROP FRUT	1	0.3	12,320	48,820	*	0
1000 FRUIT NUTS DECIDUOUS	12	1.9	104,180	774,755	*	6,583
1100 POTATOES	6	0.6	19,389	126,056	*	1,465
1200 VEGETABLES	26	6.8	202,028	1,719,325	*	58,317
1300 ORNAMENTALS TURF	11	2.3	49,385	523,840	*	1,943
1400 CORN	59	13.3	498,141	3,879,984	*	8,535
1500 GRAIN SORGHUM	10	2.5	49,518	782,576	*	0
1600 RICE	1	0.4	26,155	309,844	*	0
1700 WHEAT	17	3.0	151,681	909,376	*	1,239
1800 OTHER SMALL GRAINS	2	0.1	5,485	139,998	*	101,209
2000 FORAGE CROPS	14	2.3	77,601	671,699	*	34,699
2300 SOYBEANS	48	7.6	272,657	1,942,580	*	10,631
2500 OTHER OILSEED CROPS	1	0.3	2,905	42,667	*	0
2700 SUGAR CROPS	2	0.5	10,793	291,340	*	0
2800 MISC NEW CROPS	8	1.5	23,821	525,768	*	0
2900 POULTRY	21	5.4	118,720	1,095,384	*	35,848
3000 BEEF CATTLE	30	5.0	197,295	2,658,733	*	8,017
3100 DAIRY CATTLE	20	5.4	136,594	1,690,320	*	0
3200 SWINE	45	8.3	303,946	2,584,042	*	140,868
3300 SHEEP AND WOOL	9	0.6	40,395	436,178	*	60,060
3400 OTHER ANIMALS	13	3.5	143,106	1,276,791	*	0
3600 FARM SUPP & FACILITS	2	0.1	818	40,281	*	0
3800 FOOD	14	4.6	127,760	1,514,305	*	21,067
3900 HOUSING & EQUIP	5	1.2	57,002	297,468	*	0
4000 PEOPLE AS INDIVIDUALS	9	1.4	30,333	409,406	*	86,605
4100 FAMILY MEMBERS	9	2.7	47,828	491,095	*	0
4200 FARM AS BUSINESS	9	1.3	33,296	259,450	*	14,662
4300 SOC POLIT ORGANIZ	5	1.7	46,022	404,519	*	0
4400 AGRIC ECONOMY U S	9	2.4	48,625	666,709	*	39,191
4500 AGRIC ECONOMY FORGN	5	2.1	29,192	416,974	*	81,483
4600 FARM COOPERATIVES	3	0.6	11,562	90,322	*	7,359
4700 OTH MARKET PROCESS	1	0.3	5,630	56,095	*	3,622
4800 MARKETING SYSTEMS	8	2.3	55,630	230,863	*	74
6100 WEEDS	6	1.4	40,746	543,588	*	0
6300 BIO CELL SYSTEMS	12	3.6	159,604	1,621,629	*	45,356
6400 EXP DESIGN/STAT METHOD	3	0.5	9,491	60,262	*	490
6500 INVERTEBRATES	12	3.4	99,460	894,347	*	109,314
6600 MICROORGANISMS VIRUSES	14	4.4	111,423	1,745,701	*	84,469
6700 PLANTS	34	8.7	277,218	2,050,232	*	226,580
6800 ANIMALS (VERTEBRATES)	20	5.6	242,708	2,799,059	*	17,900
7000 RSCH EQUIP & TECHNOLOGY	8	1.6	31,234	811,447	*	0
TOTAL		142.5	4,542,761	42,235,589	*	1,436,049

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- IOWA AMES SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CGN/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	34	8.4	79,973	3,297,697	*	562,144
0200 WATER	17	2.4	17,756	824,847	*	258,212
0300 WATERSHEDS RIVER BAS	1	0.0	0	7,031	*	0
0400 AIR AND CLIMATE	6	2.1	82,691	213,270	*	0
0500 RECREATION RESOURCES	1	0.0	0	18,296	*	13,286
0600 TIMBER FORST PRODUCT	16	5.0	182,082	1,110,383	*	1,263
0700 RANGE	1	0.0	0	1,044	*	0
0800 WILDLIFE AND FISH	17	2.7	1,273	1,010,138	*	3
1000 FRUIT NUTS DECIDUCUS	9	1.1	18,610	176,488	*	0
1100 POTATOES	6	1.3	26,234	286,250	*	0
1200 VEGETABLES	13	1.1	183,454	639,685	*	210,482
1300 ORNAMENTALS TURF	8	1.9	37,018	542,417	*	51,961
1400 CORN	76	16.0	585,320	4,735,989	*	539,022
1500 GRAIN SORGHUM	1	0.5	60,599	108,748	*	0
1600 RICE	1	0.0	0	8,660	*	0
1700 WHEAT	5	0.4	16,560	82,595	*	0
1800 OTHER SMALL GRAINS	10	2.3	198,291	594,050	*	6,679
1900 PASTURE	2	0.3	45,882	101,197	*	2,638
2000 FORAGE CROPS	16	2.1	216,758	644,997	*	149,542
2200 COTTONSEED	1	0.0	0	3,287	*	0
2300 SOYBEANS	66	13.3	460,605	3,964,546	*	696,666
2400 PEANUTS	2	0.6	33,628	59,829	*	0
2500 OTHER OILSEED CROPS	8	0.3	49,229	181,662	*	51,961
2800 MISC NEW CROPS	3	0.0	42,383	102,706	*	51,961
2900 POULTRY	15	2.8	255,936	856,257	*	0
3000 BEEF CATTLE	40	11.4	644,587	3,920,873	*	221,095
3100 DAIRY CATTLE	23	4.2	355,580	1,980,791	*	87,266
3200 SWINE	40	10.2	696,402	6,143,703	*	219,343
3300 SHEEP AND WOOL	3	0.2	16,060	70,308	*	0
3400 OTHER ANIMALS	5	1.1	20,646	220,487	*	0
3600 FARM SUPP & FACILITS	2	0.6	56,163	214,978	*	30,664
3700 CLOTHING & TEXTILES	2	0.1	17,092	30,876	*	0
3800 FOOD	15	4.8	40,933	1,453,829	*	499,962
3900 HOUSING & EQUIP	2	0.2	307	29,187	*	0
4000 PEOPLE AS INDIVIDUALS	23	2.6	58,404	696,049	*	137,679
4100 FAMILY MEMBERS	14	2.2	45,926	591,186	*	17,217
4200 FARM AS BUSINESS	10	1.6	60,176	341,008	*	7,822
4300 SOC POLIT ORGANIZ	18	3.2	133,136	790,505	*	179,270
4400 AGRIC ECONOMY U S	12	1.7	7,649	1,338,802	*	923,869
4500 AGRIC ECONOMY FORGN	6	1.4	588	1,336,773	*	980,748
4600 FARM COOPERATIVES	1	0.0	1,139	8,317	*	2,697
4700 OTH MARKET PROCESS	2	0.2	13,200	24,051	*	2,697
6100 WEEDS	1	0.1	0	37,766	*	0
6200 SEED RESEARCH	4	0.5	25,863	122,125	*	11,374
6300 BIO CELL SYSTEMS	5	1.4	60,702	385,766	*	0
6400 EXP DESIGN/STAT METHOD	4	0.8	3,533	1,180,318	*	1,073,641
6500 INVERTEBRATES	6	1.6	37,812	304,466	*	58,772
6600 MICROORGANISMS VIRUSES	5	1.7	0	562,952	*	183,292
6700 PLANTS	14	3.3	99,127	794,333	*	439,295
6800 ANIMALS(VERTEBRATES)	9	3.0	80,562	1,030,230	*	71,668
6900 RESEARCH ON RSCH MGMT	2	0.0	0	30,260	*	4,344
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	0	78,714	*	76,636
TOTAL		122.9	5,075,871	43,290,724	*	7,825,169

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- KANSAS MANHATTAN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	18	3.4	64,348	1,512,364	*	29,381
0200 WATER	19	5.4	64,776	1,132,494	*	30,292
0400 AIR AND CLIMATE	1	0.6	64,650	122,752	*	0
0500 RECREATION RESOURCES	1	0.2	19,514	25,797	*	0
0600 TIMBER FORST PRODUCT	10	2.4	145,291	463,691	*	0
0700 RANGE	19	6.3	54,546	1,293,257	*	21,808
0800 WILDLIFE AND FISH	1	0.4	0	24,382	*	0
1000 FRUIT NUTS DECIDUCUS	8	2.0	12,223	436,725	*	0
1100 POTATOES	1	0.1	0	11,606	*	0
1200 VEGETABLES	11	3.4	41,030	456,923	*	0
1300 ORNAMENTALS TURF	8	3.7	28,910	509,251	*	2,079
1400 CORN	33	8.5	126,752	1,497,398	*	89,622
1500 GRAIN SORGHUM	34	12.3	109,655	1,752,566	*	8,440
1600 RICE	1	0.9	3,053	141,088	*	18,032
1700 WHEAT	81	39.0	581,518	7,228,201	*	553,222
1800 OTHER SMALL GRAINS	14	3.8	16,208	616,849	*	35,626
2000 FORAGE CROPS	22	6.9	98,997	987,111	*	11,599
2300 SOYBEANS	29	8.7	83,652	1,261,516	*	0
2500 OTHER OILSEED CROPS	5	1.1	16,644	205,643	*	0
2900 POULTRY	5	2.4	168,343	530,088	*	0
3000 BEEF CATTLE	69	24.6	425,954	5,415,716	*	305,700
3100 DAIRY CATTLE	35	5.0	226,768	1,345,896	*	11,838
3200 SWINE	31	6.7	135,029	1,555,769	*	124,204
3300 SHEEP AND WOOL	6	2.1	94,331	446,340	*	0
3400 OTHER ANIMALS	10	1.3	23,000	293,145	*	0
3600 FARM SUPP & FACILITS	3	1.2	217	124,072	*	0
3700 CLOTHING & TEXTILES	2	0.4	3,294	60,611	*	0
3800 FOOD	7	0.9	49,075	338,393	*	0
4000 PEOPLE AS INDIVIDUALS	6	1.9	10,262	196,465	*	0
4100 FAMILY MEMBERS	10	3.8	49,352	374,321	*	0
4200 FARM AS BUSINESS	3	2.1	56,649	166,223	*	0
4300 SOC POLIT ORGANIZ	6	3.0	87,017	422,771	*	54,368
4400 AGRIC ECONOMY U S	1	0.1	0	111,158	*	111,158
4500 AGRIC ECONOMY FORGN	1	0.1	0	111,158	*	111,158
4700 OTH MARKET PROCESS	1	0.0	0	15,273	*	0
4800 MARKETING SYSTEMS	1	0.4	0	12,275	*	0
6300 BIO CELL SYSTEMS	7	2.8	35,170	478,475	*	0
6400 EXP DESIGN/STAT METHOD	2	4.2	0	428,543	*	0
6500 INVERTEBRATES	3	0.0	0	67,727	*	39,763
6600 MICROORGANISMS VIRUSES	10	2.8	27,979	628,786	*	131,864
6700 PLANTS	22	9.6	163,665	1,726,046	*	252,725
6800 ANIMALS(VERTEBRATES)	15	5.9	69,511	1,070,810	*	0
6900 RESEARCH ON RSCH MGMT	1	0.3	0	54,612	*	0
7000 RSCH EQUIP & TECHNOLOGY	6	2.7	15,535	245,253	*	0
TOTAL		198.9	3,172,916	35,869,540	*	1,942,880

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- KENTUCKY LEXINGTON SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	19	5.3	225,264	970,659	*	0
0200 WATER	10	2.0	101,799	312,183	*	0
0300 WATERSHEDS RIVER BAS	5	1.0	61,364	150,640	*	0
0600 TIMBER FORST PRODUCT	13	6.4	275,071	830,410	*	0
0800 WILDLIFE AND FISH	1	0.1	8,829	71,906	*	0
1000 FRUIT NUTS DECIDUCUS	5	1.7	58,422	259,961	*	0
1100 POTATOES	1	0.4	4,870	54,059	*	0
1200 VEGETABLES	15	8.7	282,518	1,232,062	*	0
1300 ORNAMENTALS TURF	7	2.8	162,107	487,505	*	0
1400 CORN	13	4.0	122,751	565,549	*	0
1500 GRAIN SORGHUM	1	0.1	3,929	30,085	*	0
1700 WHEAT	5	0.9	29,440	174,424	*	0
1800 OTHER SMALL GRAINS	2	0.9	49,348	144,736	*	0
1900 PASTURE	1	0.6	13,678	66,340	*	0
2000 FORAGE CROPS	21	9.9	432,372	1,661,381	*	0
2300 SOYBEANS	12	6.3	252,961	877,946	*	0
2600 TOBACCO	19	10.0	305,342	1,575,699	*	0
2800 MISC NEW CROPS	2	1.0	8,230	271,652	*	0
2900 POULTRY	3	1.3	51,767	275,917	*	0
3000 BEEF CATTLE	20	9.5	333,189	1,811,890	*	0
3100 DAIRY CATTLE	14	6.2	334,049	1,313,992	*	0
3200 SWINE	10	3.4	173,352	941,804	*	0
3300 SHEEP AND WOOL	5	2.1	166,645	511,073	*	0
3400 OTHER ANIMALS	8	9.2	256,982	1,571,822	*	0
3600 FARM SUPP & FACILITS	1	0.2	13,204	38,231	*	0
3800 FOOD	2	1.2	52,100	133,249	*	0
3900 HOUSING & EQUIP	4	2.6	99,745	233,056	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.6	25,968	124,386	*	0
4100 FAMILY MEMBERS	5	2.2	44,187	172,446	*	0
4200 FARM AS BUSINESS	3	2.4	71,387	246,764	*	0
4300 SOC POLIT ORGANIZ	6	4.5	144,192	352,979	*	0
4400 AGRIC ECONOMY U S	2	0.9	50,349	88,385	*	0
4800 MARKETING SYSTEMS	2	0.3	22,785	80,886	*	0
6100 WEEDS	2	0.5	27,748	142,111	*	0
6200 SEED RESEARCH	1	0.4	9,846	77,009	*	0
6300 BIO CELL SYSTEMS	3	1.9	18,696	171,026	*	0
6400 EXP DESIGN/STAT METHOD	1	0.7	4,752	57,740	*	0
6500 INVERTEBRATES	2	1.9	109,039	265,946	*	0
6600 MICROORGANISMS VIRUSES	4	0.4	54,299	327,943	*	0
6700 PLANTS	9	5.0	166,734	606,029	*	0
6800 ANIMALS(VERTEBRATES)	3	1.8	4,139	224,213	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.4	16,597	49,577	*	0
TOTAL		122.1	4,650,048	19,555,672	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- LOUISIANA BATON ROUGE SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	25	6.4	160,387	827,300	*	98,574
0200 WATER	5	0.8	17,498	93,928	*	0
0300 WATERSHEDS RIVER BAS	3	0.3	980	40,257	*	0
0400 AIR AND CLIMATE	3	0.6	34,717	69,888	*	0
0500 RECREATION RESOURCES	4	0.6	9,292	46,648	*	0
0600 TIMBER FORST PRODUCT	37	12.7	318,595	1,050,199	*	11,129
0700 RANGE	4	0.3	3,936	45,115	*	0
0800 WILDLIFE AND FISH	35	15.9	115,736	1,984,414	*	216,816
0900 CITRUS SUB TROP FRUT	6	1.6	0	152,363	*	0
1000 FRUIT NUTS DECIDUCUS	23	7.3	38,744	802,895	*	0
1100 POTATOES	2	0.3	20,383	32,024	*	0
1200 VEGETABLES	45	17.0	185,745	2,002,021	*	34,146
1300 ORNAMENTALS TURF	15	5.2	31,295	620,772	*	0
1400 CORN	22	3.8	37,454	382,645	*	0
1500 GRAIN SORGHUM	15	2.2	8,227	243,988	*	0
1600 RICE	40	15.5	136,384	2,358,613	*	27,473
1700 WHEAT	19	3.8	26,446	485,311	*	5,027
1800 OTHER SMALL GRAINS	4	0.6	9,548	73,293	*	0
1900 PASTURE	5	1.4	18,376	143,314	*	0
2000 FORAGE CROPS	49	13.5	90,812	1,829,497	*	22,888
2100 COTTON	33	10.6	152,724	1,538,937	*	9,390
2300 SOYBEANS	52	14.3	174,179	2,075,707	*	121,583
2700 SUGAR CROPS	29	8.1	77,729	1,483,618	*	0
2800 MISC NEW CROPS	4	1.1	5,909	116,183	*	0
2900 POULTRY	17	5.9	145,695	1,331,214	*	14,000
3000 BEEF CATTLE	54	16.5	329,492	3,410,455	*	45,368
3100 DAIRY CATTLE	46	15.1	244,616	2,811,379	*	36,205
3200 SWINE	10	1.6	94,318	468,045	*	0
3300 SHEEP AND WOOL	4	0.3	5,166	107,385	*	0
3400 OTHER ANIMALS	13	2.7	110,055	725,375	*	1,340
3600 FARM SUPP & FACILITS	6	0.5	21,536	94,158	*	0
3700 CLOTHING & TEXTILES	3	0.9	31,757	130,134	*	0
3800 FOOD	3	0.8	26,097	78,574	*	0
3900 HOUSING & EQUIP	3	0.9	4,314	145,890	*	0
4000 PEOPLE AS INDIVIDUALS	12	2.4	65,441	340,010	*	0
4100 FAMILY MEMBERS	7	1.9	57,634	160,660	*	0
4200 FARM AS BUSINESS	6	1.4	26,444	89,933	*	0
4300 SOC POLIT ORGANIZ	6	6.7	65,589	347,476	*	0
4400 AGRIC ECONOMY U S	4	0.6	14,178	38,180	*	0
4500 AGRIC ECONOMY FORGN	1	0.2	1,691	13,840	*	0
4600 FARM COOPERATIVES	3	0.3	5,627	24,985	*	0
4800 MARKETING SYSTEMS	1	0.0	1,763	3,001	*	0
6100 WEEDS	5	0.4	21,327	54,874	*	3,541
6200 SEED RESEARCH	3	0.4	10,385	65,829	*	0
6300 BIO CELL SYSTEMS	2	0.1	1,200	18,494	*	11,693
6400 EXP DESIGN/STAT METHOD	5	2.7	3,296	348,333	*	4,281
6500 INVERTEBRATES	7	2.4	27,394	212,012	*	39,370
6600 MICROORGANISMS VIRUSES	5	0.7	42,638	306,148	*	189
6700 PLANTS	12	3.2	59,025	512,580	*	6,492
6800 ANIMALS(VERTEBRATES)	6	0.8	21,124	239,883	*	2,186
6900 RESEARCH ON RSCH MGMT	1	0.2	0	32,328	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.5	8,024	52,094	*	0
TOTAL		214.7	3,120,921	30,662,196	*	711,691

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MAINE ORONO SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	8	2.9	116,227	638,504	*	87,677
0200 WATER	1	0.3	0	31,577	*	0
0300 WATERSHEDS RIVER BAS	3	0.9	69,371	282,622	*	0
0400 AIR AND CLIMATE	2	0.7	890	91,942	*	3,488
0500 RECREATION RESOURCES	1	0.3	16,374	31,343	*	0
0600 TIMBER FORST PRODUCT	35	14.8	365,413	2,634,902	*	249,724
0800 WILDLIFE AND FISH	12	5.9	308,652	1,055,319	*	18,730
1000 FRUIT NUTS DECIDUCUS	11	4.3	183,984	910,929	*	9,496
1100 POTATOES	25	10.9	418,988	1,913,616	*	287,658
1200 VEGETABLES	2	0.2	8,040	91,495	*	4,133
1300 ORNAMENTALS TURF	2	0.1	854	7,803	*	0
1400 CORN	2	0.3	13,525	65,798	*	5,422
1700 WHEAT	1	0.2	3,508	64,190	*	4,133
2000 FORAGE CROPS	3	0.5	30,268	160,702	*	6,777
2900 POULTRY	3	0.6	39,429	318,569	*	0
3000 BEEF CATTLE	1	0.0	1,969	3,803	*	0
3100 DAIRY CATTLE	11	4.4	173,354	1,236,530	*	0
3300 SHEEP AND WOOL	2	0.1	4,512	68,576	*	0
3600 FARM SUPP & FACILITS	2	2.0	3,098	159,976	*	0
3800 FOOD	3	1.6	81,850	215,862	*	0
3900 HOUSING & EQUIP	1	0.3	18,645	143,714	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.3	20,505	38,659	*	0
4100 FAMILY MEMBERS	2	0.9	0	7,956	*	0
4300 SOC POLIT ORGANIZ	3	1.9	101,315	167,042	*	0
6300 BIO CELL SYSTEMS	1	0.5	7,200	18,245	*	0
6500 INVERTEBRATES	3	0.8	44,809	112,738	*	0
6600 MICROORGANISMS VIRUSES	2	0.7	11,225	61,329	*	38,908
6700 PLANTS	3	0.3	0	64,346	*	56,138
TOTAL		57.0	2,044,004	10,598,086	*	771,782

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MARYLAND COLLEGE PARK SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	13	4.6	119,434	883,031	*	2,789
0200 WATER	10	2.4	81,736	433,061	*	0
0300 WATERSHEDS RIVER BAS	6	1.4	43,262	242,267	*	0
0400 AIR AND CLIMATE	1	0.0	33,323	138,914	*	0
0500 RECREATION RESOURCES	3	1.2	24,798	238,700	*	28,816
0600 TIMBER FORST PRODUCT	10	2.6	202,896	594,023	*	0
0800 WILDLIFE AND FISH	3	1.1	25,345	434,193	*	24,044
1000 FRUIT NUTS DECIDUCUS	10	4.3	138,642	713,500	*	45,469
1100 POTATOES	4	0.0	7,457	98,604	*	67,601
1200 VEGETABLES	16	3.0	134,407	939,719	*	75,445
1300 ORNAMENTALS TURF	8	2.9	74,256	802,987	*	92,587
1400 CORN	10	2.0	52,261	748,660	*	24,472
1700 WHEAT	5	0.7	34,652	240,066	*	0
1800 OTHER SMALL GRAINS	5	1.2	26,052	316,605	*	14,284
1900 PASTURE	2	0.1	4,973	43,852	*	0
2000 FORAGE CROPS	6	2.3	24,622	406,827	*	30,439
2300 SOYBEANS	13	2.9	39,020	1,022,516	*	127,141
2600 TOBACCO	7	2.5	28,653	530,138	*	6,118
2800 MISC NEW CROPS	2	0.8	2,330	102,808	*	6,870
2900 POULTRY	22	8.1	399,092	1,984,921	*	116,478
3000 BEEF CATTLE	10	3.7	85,195	872,807	*	0
3100 DAIRY CATTLE	13	5.5	238,764	1,788,468	*	116,849
3200 SWINE	4	1.8	39,760	472,387	*	0
3300 SHEEP AND WOOL	1	0.0	134	134	*	0
3400 OTHER ANIMALS	4	1.3	28,613	384,102	*	31,151
3700 CLOTHING & TEXTILES	2	0.0	3,238	16,720	*	0
3800 FOOD	6	0.9	65,111	187,843	*	46,771
3900 HOUSING & EQUIP	1	0.0	0	16,477	*	3,435
4000 PEOPLE AS INDIVIDUALS	3	0.6	839	108,947	*	3,863
4100 FAMILY MEMBERS	1	0.1	6,830	22,338	*	0
4200 FARM AS BUSINESS	2	0.3	10,380	40,131	*	0
4300 SOC POLIT ORGANIZ	2	0.7	53,007	140,254	*	0
4400 AGRIC ECONOMY U S	3	1.6	64,409	375,005	*	39,521
4500 AGRIC ECONOMY FORGN	1	0.2	4,665	23,951	*	4,924
6100 WEEDS	1	0.2	27,364	128,828	*	0
6500 INVERTEBRATES	8	2.2	102,377	721,268	*	142,191
6600 MICROORGANISMS VIRUSES	2	0.9	16,203	205,518	*	41,497
6700 PLANTS	8	3.6	70,492	907,078	*	251,465
6800 ANIMALS(VERTEBRATES)	1	0.1	8,034	24,706	*	748
6900 RESEARCH ON RSCH MGMT	2	0.0	0	22,670	*	22,670
7000 RSCH EQUIP & TECHNOLOGY	1	0.6	0	336,088	*	95,234
TOTAL		68.3	2,322,627	17,711,113	*	1,462,870

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MASSACHUSETTS AMHERST SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	7	1.4	99,697	350,598	*	0
0200 WATER	1	0.4	12,814	57,147	*	0
0300 WATERSHEDS RIVER BAS	2	0.7	33,349	86,170	*	0
0600 TIMBER FORST PRODUCT	19	3.8	226,797	757,662	*	65,680
0800 WILDLIFE AND FISH	6	1.3	43,254	244,857	*	4,422
1000 FRUIT NUTS DECIDUCUS	14	4.7	258,147	1,042,885	*	12,767
1100 POTATOES	3	0.5	52,374	150,840	*	273
1200 VEGETABLES	16	3.9	173,434	685,681	*	157,003
1300 ORNAMENTALS TURF	8	1.9	111,450	389,526	*	20,458
1400 CORN	6	0.8	22,424	176,935	*	19,647
2000 FORAGE CROPS	6	1.0	39,656	205,893	*	15,488
2300 SOYBEANS	4	0.6	26,199	115,891	*	13,707
2900 POULTRY	3	1.5	57,236	216,345	*	1,612
3000 BEEF CATTLE	1	1.1	32,051	96,640	*	0
3100 DAIRY CATTLE	4	2.4	83,397	498,952	*	0
3300 SHEEP AND WOOL	2	0.6	13,792	126,037	*	0
3400 OTHER ANIMALS	2	0.7	39,860	155,521	*	0
3600 FARM SUPP & FACILITS	1	0.0	0	518	*	518
3800 FOOD	9	3.9	209,884	661,273	*	3,978
4000 PEOPLE AS INDIVIDUALS	5	0.8	51,130	116,070	*	7,359
4300 SOC POLIT ORGANIZ	5	1.0	44,194	292,795	*	5,318
4400 AGRIC ECONOMY U S	1	0.4	16,255	33,422	*	0
4800 MARKETING SYSTEMS	1	0.1	1,750	8,609	*	0
6500 INVERTEBRATES	22	4.3	232,982	1,050,416	*	320,021
6600 MICROORGANISMS VIRUSES	10	2.2	73,017	365,295	*	30,126
6700 PLANTS	2	0.4	12,336	34,421	*	0
6800 ANIMALS(VERTEBRATES)	6	4.4	142,285	528,735	*	0
TOTAL		45.1	2,109,762	8,449,135	*	678,377

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MICHIGAN LANSING SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTED (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	31	9.9	196,770	3,062,414	*	69,894
0200 WATER	13	3.7	108,187	1,175,195	*	272,159
0400 AIR AND CLIMATE	4	0.2	34,074	254,904	*	470
0500 RECREATION RESOURCES	4	1.7	14,286	327,921	*	3,148
0600 TIMBER FORST PRODUCT	38	11.3	218,130	3,180,454	*	1,126,908
0800 WILDLIFE AND FISH	15	5.8	151,298	2,265,997	*	177,957
1000 FRUIT NUTS DECIDUOUS	40	11.6	528,992	3,714,637	*	627,140
1100 POTATOES	11	2.0	64,744	898,195	*	364,506
1200 VEGETABLES	44	10.3	523,270	2,632,043	*	443,853
1300 ORNAMENTALS TURF	10	3.7	69,782	1,479,887	*	0
1400 CORN	13	1.9	68,953	439,881	*	15,600
1500 GRAIN SORGHUM	1	0.1	0	47,739	*	0
1600 RICE	1	0.1	0	15,347	*	124
1700 WHEAT	7	1.1	1,354	192,827	*	3,150
1800 OTHER SMALL GRAINS	7	2.9	99,845	799,030	*	69,117
2000 FORAGE CROPS	12	1.6	33,224	368,255	*	9,725
2300 SOYBEANS	14	3.1	23,287	760,639	*	85,051
2500 OTHER OILSEED CROPS	2	0.4	8,681	74,164	*	0
2600 TOBACCO	1	0.0	0	12,732	*	0
2700 SUGAR CROPS	5	0.4	0	208,583	*	127,749
2800 MISC NEW CROPS	1	0.1	10,528	40,032	*	0
2900 POULTRY	16	4.6	48,003	1,091,454	*	52,788
3000 BEEF CATTLE	29	5.3	168,135	2,241,440	*	64,083
3100 DAIRY CATTLE	26	6.2	296,950	2,192,252	*	139,839
3200 SWINE	18	5.7	289,444	1,268,808	*	22,593
3300 SHEEP AND WOOL	3	0.1	21,239	79,796	*	0
3400 OTHER ANIMALS	7	1.2	34,312	643,139	*	4,712
3500 BEES AND HONEY	1	1.0	0	39,867	*	0
3600 FARM SUPP & FACILITS	5	0.9	43,040	149,273	*	1,175
3700 CLOTHING & TEXTILES	1	0.3	4,723	23,815	*	0
3800 FOOD	30	11.6	471,249	2,665,491	*	240,069
3900 HOUSING & EQUIP	2	0.6	23,651	72,815	*	226
4000 PEOPLE AS INDIVIDUALS	13	2.1	20,490	544,605	*	64,678
4100 FAMILY MEMBERS	8	1.5	24,753	216,666	*	0
4200 FARM AS BUSINESS	5	1.5	1,899	257,377	*	0
4300 SOC POLIT ORGANIZ	16	6.1	122,464	792,533	*	21,900
4400 AGRIC ECONOMY U S	5	1.7	107,973	290,246	*	524
4500 AGRIC ECONOMY FORGN	1	11.1	0	3,468,966	*	0
4800 MARKETING SYSTEMS	1	0.3	10,830	95,909	*	0
6100 WEEDS	2	1.1	16,839	371,812	*	0
6400 EXP DESIGN/STAT METHOD	4	0.5	37,446	84,725	*	0
6500 INVERTEBRATES	7	0.5	3,200	301,930	*	136,175
6600 MICROORGANISMS VIRUSES	11	2.3	71,741	622,357	*	110,658
6700 PLANTS	33	8.9	266,649	3,029,988	*	980,248
6800 ANIMALS(VERTEBRATES)	21	4.8	133,713	1,346,804	*	232,566
6900 RESEARCH ON RSCH MGMT	1	0.0	0	36,625	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	1.6	85,974	237,258	*	0
TOTAL		153.5	4,460,124	44,116,828	*	5,468,784

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MINNESOTA ST PAUL SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	28	11.1	232,773	3,541,028	*	300,487
0200 WATER	11	3.3	53,235	1,036,670	*	51,500
0300 WATERSHEDS RIVER BAS	3	1.3	14,503	301,005	*	24,723
0400 AIR AND CLIMATE	5	2.0	58,493	403,583	*	45,830
0500 RECREATION RESOURCES	2	0.7	4,012	181,785	*	3,891
0600 TIMBER FORST PRODUCT	36	17.4	583,997	4,010,921	*	244,656
0800 WILDLIFE AND FISH	9	6.2	69,290	1,549,346	*	38,296
1000 FRUIT NUTS DECIDUOUS	9	3.6	3,556	760,300	*	18,279
1100 POTATOES	13	5.8	83,676	1,125,905	*	73,894
1200 VEGETABLES	22	7.0	98,433	1,652,912	*	59,912
1300 ORNAMENTALS TURF	13	4.0	61,764	997,864	*	2,533
1400 CORN	34	10.7	282,374	2,757,914	*	169,649
1600 RICE	6	2.6	0	637,887	*	2,895
1700 WHEAT	13	1.5	57,305	523,490	*	98,915
1800 OTHER SMALL GRAINS	12	5.0	113,945	1,344,201	*	75,212
2000 FORAGE CROPS	23	5.2	279,043	1,367,569	*	118,177
2300 SOYBEANS	22	5.5	79,781	1,493,516	*	59,633
2400 PEANUTS	1	0.1	0	21,421	*	0
2500 OTHER OILSEED CROPS	2	0.6	0	115,171	*	0
2600 TOBACCO	1	0.3	0	33,587	*	0
2700 SUGAR CROPS	1	1.4	0	366,474	*	0
2900 POULTRY	20	7.1	292,145	2,187,835	*	95,680
3000 BEEF CATTLE	18	5.0	83,899	1,624,533	*	46,836
3100 DAIRY CATTLE	31	11.6	460,094	4,040,624	*	19,550
3200 SWINE	26	10.2	262,437	2,893,085	*	34,448
3300 SHEEP AND WOOL	8	2.1	48,479	773,492	*	83,311
3400 OTHER ANIMALS	1	0.0	0	57,861	*	0
3500 BEES AND HONEY	1	0.5	0	93,673	*	0
3600 FARM SUPP & FACILITS	1	0.5	29,603	255,969	*	0
3700 CLOTHING & TEXTILES	9	3.9	49,803	453,327	*	0
3800 FOOD	23	10.2	368,806	2,818,502	*	19,440
3900 HOUSING & EQUIP	5	1.8	0	340,754	*	0
4000 PEOPLE AS INDIVIDUALS	12	5.8	74,565	712,405	*	4,554
4100 FAMILY MEMBERS	15	9.0	62,949	1,210,152	*	0
4200 FARM AS BUSINESS	4	0.8	15,992	95,558	*	1,083
4300 SOC POLIT ORGANIZ	7	1.9	128,273	632,402	*	289,039
4400 AGRIC ECONOMY U S	6	3.0	76,070	495,708	*	55,299
4500 AGRIC ECONOMY FORGN	3	1.6	69,905	322,342	*	5,472
4700 OTH MARKET PROCESS	1	0.2	11,955	47,610	*	0
4800 MARKETING SYSTEMS	2	0.6	51,022	133,873	*	0
6100 WEEDS	4	2.3	110,415	666,553	*	4,301
6300 BIO CELL SYSTEMS	7	1.9	101,630	467,385	*	51,885
6400 EXP DESIGN/STAT METHOD	4	1.4	45,496	361,755	*	27,041
6500 INVERTEBRATES	7	3.5	39,174	735,892	*	55,092
6600 MICROORGANISMS VIRUSES	5	2.8	10,366	581,824	*	90,262
6700 PLANTS	12	2.0	12,105	528,167	*	138,813
6800 ANIMALS(VERTEBRATES)	7	1.8	123,259	650,813	*	22,512
6900 RESEARCH ON RSCH MGMT	3	0.7	106,511	226,473	*	13,232
7000 RSCH EQUIP & TECHNOLOGY	3	1.2	0	323,526	*	0
TOTAL		189.0	4,711,133	47,954,646	*	2,446,331

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MISSISSIPPI STATE COLLEGE SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	12	5.5	156,976	1,144,747	*	29,927
0200 WATER	7	1.6	66,034	211,956	*	1,994
0300 WATERSHEDS RIVER BAS	3	0.5	3,875	80,845	*	43,893
0400 AIR AND CLIMATE	1	0.0	0	101	*	0
0600 TIMBER FORST PRODUCT	70	34.6	611,158	6,234,584	*	852,496
0800 WILDLIFE AND FISH	57	28.0	182,104	5,988,512	*	1,329,697
1000 FRUIT NUTS DECIDUOUS	10	7.0	401,422	1,370,884	*	197,475
1100 POTATOES	1	0.1	140	23,709	*	0
1200 VEGETABLES	10	6.0	200,088	886,983	*	35,636
1300 ORNAMENTALS TURF	6	5.4	233,662	795,334	*	0
1400 CORN	11	1.4	44,141	261,773	*	0
1500 GRAIN SORGHUM	10	7.8	114,213	1,152,843	*	16,832
1600 RICE	12	5.7	75,329	1,041,378	*	0
1700 WHEAT	10	2.0	71,446	432,748	*	19,285
1900 PASTURE	1	1.0	80,795	218,804	*	0
2000 FORAGE CROPS	12	5.7	256,807	1,000,567	*	5,716
2100 COTTON	37	18.7	349,476	3,267,753	*	115,026
2300 SOYBEANS	41	14.2	200,839	2,609,564	*	24,798
2500 OTHER OILSEED CROPS	1	0.5	27,765	64,142	*	0
2800 MISC NEW CROPS	1	0.0	0	18,227	*	11,014
2900 POULTRY	19	12.9	214,415	1,806,591	*	0
3000 BEEF CATTLE	15	8.7	377,572	2,628,656	*	512
3100 DAIRY CATTLE	18	7.6	269,619	2,162,471	*	5,716
3200 SWINE	11	2.8	145,018	555,798	*	7,932
3300 SHEEP AND WOOL	3	0.8	9,782	143,197	*	0
3700 CLOTHING & TEXTILES	1	0.8	0	85,392	*	0
3800 FOOD	2	1.1	2,714	260,295	*	0
3900 HOUSING & EQUIP	1	1.0	4,201	86,233	*	0
4000 PEOPLE AS INDIVIDUALS	4	0.4	2,280	47,705	*	0
4100 FAMILY MEMBERS	3	0.7	661	60,659	*	0
4200 FARM AS BUSINESS	7	3.4	4,485	364,356	*	0
4300 SOC POLIT ORGANIZ	12	3.9	10,082	488,706	*	192,555
4400 AGRIC ECONOMY U S	2	0.2	3,731	33,047	*	0
4600 FARM COOPERATIVES	2	0.2	0	21,716	*	0
4700 OTH MARKET PROCESS	1	0.1	3,731	9,223	*	0
4800 MARKETING SYSTEMS	3	0.5	4,568	55,395	*	0
6200 SEED RESEARCH	4	1.9	799	269,945	*	0
6500 INVERTEBRATES	6	2.2	277	393,118	*	119,033
6600 MICROORGANISMS VIRUSES	1	0.4	9,399	44,389	*	0
6700 PLANTS	7	3.6	2,638	714,235	*	14,055
6800 ANIMALS(VERTEBRATES)	4	3.6	17,105	559,772	*	0
TOTAL		202.4	4,150,346	37,596,355	*	3,023,591

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MISSOURI COLUMBIA SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	18	5.5	176,131	1,245,503	*	120,717
0200 WATER	10	2.5	87,447	412,807	*	20,241
0300 WATERSHEDS RIVER BAS	3	0.5	65,175	172,108	*	0
0400 AIR AND CLIMATE	6	2.3	79,937	511,949	*	0
0500 RECREATION RESOURCES	2	0.1	1,514	15,981	*	0
0600 TIMBER FORST PRODUCT	17	5.7	233,013	906,384	*	101,886
0800 WILDLIFE AND FISH	8	3.1	94,810	1,020,206	*	18,719
1000 FRUIT NUTS DECIDUOUS	12	2.8	88,375	545,189	*	0
1100 POTATOES	2	0.2	6,892	44,307	*	0
1200 VEGETABLES	4	0.7	22,759	139,072	*	0
1300 ORNAMENTALS TURF	6	2.0	47,465	357,366	*	0
1400 CORN	21	5.3	121,902	1,356,192	*	68,870
1500 GRAIN SORGHUM	7	0.5	7,253	170,503	*	3,153
1600 RICE	3	1.1	2,927	160,778	*	0
1700 WHEAT	11	4.9	85,244	804,401	*	118,504
1800 OTHER SMALL GRAINS	3	0.6	24,845	116,035	*	0
1900 PASTURE	2	0.1	12,489	58,306	*	0
2000 FORAGE CROPS	13	4.4	303,964	946,524	*	31,726
2100 COTTON	5	0.4	20,193	114,272	*	0
2300 SOYBEANS	29	8.3	142,476	1,771,163	*	373,973
2500 OTHER OILSEED CROPS	1	0.1	7,569	26,380	*	0
2800 MISC NEW CROPS	1	0.0	881	20,578	*	0
2900 POULTRY	14	3.8	192,859	879,706	*	3,318
3000 BEEF CATTLE	38	11.0	552,246	2,386,484	*	47,342
3100 DAIRY CATTLE	24	5.7	239,460	1,817,430	*	54,148
3200 SWINE	28	6.5	570,726	2,086,752	*	149,639
3300 SHEEP AND WOOL	16	3.6	79,849	801,499	*	63,725
3400 OTHER ANIMALS	10	0.9	122,487	414,018	*	0
3600 FARM SUPP & FACILITS	2	1.2	9,883	175,159	*	0
3800 FOOD	13	2.1	41,443	606,485	*	250,214
3900 HOUSING & EQUIP	2	0.6	2,579	121,515	*	461
4000 PEOPLE AS INDIVIDUALS	11	1.7	41,269	405,041	*	4,199
4100 FAMILY MEMBERS	6	1.0	34,592	151,880	*	0
4200 FARM AS BUSINESS	7	3.7	86,856	501,790	*	3,511
4300 SOC POLIT ORGANIZ	6	4.3	91,986	767,440	*	22,823
4400 AGRIC ECONOMY U S	6	0.9	72,177	259,092	*	21,467
4500 AGRIC ECONOMY FORGN	1	0.5	14,176	70,667	*	0
4600 FARM COOPERATIVES	2	0.8	12,953	154,339	*	25,691
4700 OTH MARKET PROCESS	1	0.3	5,982	30,212	*	0
4800 MARKETING SYSTEMS	3	0.7	10,919	152,089	*	77,043
6100 WEEDS	3	0.9	13,822	227,854	*	0
6200 SEED RESEARCH	3	0.5	2,164	345,004	*	0
6300 BIO CELL SYSTEMS	12	4.4	117,346	885,922	*	0
6400 EXP DESIGN/STAT METHOD	1	0.9	16,814	89,714	*	0
6500 INVERTEBRATES	4	0.8	40,124	273,826	*	0
6600 MICROORGANISMS VIRUSES	18	6.8	101,561	1,241,592	*	131,528
6700 PLANTS	27	7.8	238,706	1,753,429	*	141,687
6800 ANIMALS(VERTEBRATES)	14	5.0	73,508	1,107,202	*	0
TOTAL		127.5	4,419,749	28,622,146	*	1,854,585

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MONTANA BOZEMAN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	16	3.3	88,407	601,878	*	14,404
0200 WATER	10	3.0	70,122	371,165	*	0
0300 WATERSHEDS RIVER BAS	3	0.7	9,655	92,495	*	0
0400 AIR AND CLIMATE	2	0.2	6,149	22,000	*	0
0600 TIMBER FORST PRODUCT	1	0.2	3,400	9,197	*	0
0700 RANGE	19	3.4	165,437	833,527	*	213,114
0800 WILDLIFE AND FISH	2	0.3	5,909	79,419	*	0
1000 FRUIT NUTS DECIDUCUS	2	1.0	52,263	69,407	*	0
1100 POTATOES	2	0.3	0	45,841	*	0
1200 VEGETABLES	10	1.8	9,921	282,012	*	2,552
1300 ORNAMENTALS TURF	2	0.4	6,043	30,733	*	0
1400 CORN	4	1.0	2,910	190,474	*	0
1700 WHEAT	47	10.8	211,612	1,807,989	*	91,644
1800 OTHER SMALL GRAINS	35	8.0	207,892	1,274,823	*	48,651
1900 PASTURE	4	0.5	18,587	94,814	*	33
2000 FORAGE CROPS	25	4.4	67,905	659,520	*	18,638
2300 SOYBEANS	1	0.1	6,763	36,019	*	0
2500 OTHER OILSEED CROPS	6	0.7	14,849	208,288	*	0
2700 SUGAR CROPS	2	0.7	0	190,725	*	0
2800 MISC NEW CROPS	4	0.3	3,029	70,739	*	0
2900 POULTRY	1	0.0	0	6,677	*	0
3000 BEEF CATTLE	31	10.4	284,461	2,413,165	*	254,831
3100 DAIRY CATTLE	6	0.7	17,854	170,446	*	54,422
3200 SWINE	7	1.4	89,935	289,475	*	0
3300 SHEEP AND WOOL	7	3.1	147,545	871,211	*	0
3400 OTHER ANIMALS	3	0.6	64,408	111,409	*	0
3600 FARM SUPP & FACILITS	1	0.4	0	113,934	*	0
3800 FOOD	2	1.0	31,107	235,515	*	0
4000 PEOPLE AS INDIVIDUALS	5	0.6	10,407	72,094	*	0
4100 FAMILY MEMBERS	3	0.7	25,153	53,801	*	0
4200 FARM AS BUSINESS	3	1.1	34,227	78,105	*	0
4300 SOC POLIT ORGANIZ	1	1.2	8,603	124,440	*	0
4400 AGRIC ECONOMY U S	2	0.5	16,810	28,567	*	0
6100 WEEDS	9	2.3	56,831	314,648	*	4,741
6200 SEED RESEARCH	3	0.8	4,586	52,517	*	0
6300 BIO CELL SYSTEMS	1	0.0	0	203	*	0
6500 INVERTEBRATES	10	2.3	55,724	328,655	*	4,160
6600 MICROORGANISMS VIRUSES	11	1.0	23,854	220,706	*	10,000
6700 PLANTS	6	3.8	6,986	319,411	*	3,016
6800 ANIMALS(VERTEBRATES)	2	0.7	1,970	101,405	*	1,554
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	0	16,347	*	0
TOTAL		74.0	1,831,314	12,893,798	*	721,760

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- N MARIANAS SAIPAN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
1200 VEGETABLES	7	0.0	465,308	642,647	*	0
TOTAL		0.0	465,308	642,647	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NEBRASKA LINCOLN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	32	7.2	141,662	1,247,877	*	79,861
0200 WATER	24	6.0	130,348	741,467	*	13,893
0400 AIR AND CLIMATE	4	0.7	11,449	150,923	*	2,906
0600 TIMBER FORST PRODUCT	8	2.0	110,611	311,148	*	969
0700 RANGE	11	2.0	58,432	487,603	*	28,249
0800 WILDLIFE AND FISH	3	1.3	9,206	229,485	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.1	1,776	23,263	*	0
1100 POTATOES	3	0.0	12,519	26,548	*	5,792
1200 VEGETABLES	18	4.4	102,535	919,411	*	12,491
1300 ORNAMENTALS TURF	11	5.0	69,244	731,138	*	969
1400 CORN	63	11.7	243,963	1,899,139	*	76,286
1500 GRAIN SORGHUM	39	6.5	133,938	1,538,546	*	250,015
1700 WHEAT	34	5.6	150,935	977,787	*	62,011
1800 OTHER SMALL GRAINS	16	2.3	27,223	438,233	*	5,792
1900 PASTURE	6	0.6	37,488	176,435	*	6,130
2000 FORAGE CROPS	21	3.1	83,740	540,871	*	23,589
2300 SOYBEANS	38	8.6	213,083	1,882,854	*	291,756
2700 SUGAR CROPS	6	1.3	16,409	244,691	*	0
2800 MISC NEW CROPS	4	0.6	4,403	91,336	*	9,066
2900 POULTRY	11	3.6	109,616	857,957	*	0
3000 BEEF CATTLE	52	20.7	446,210	9,790,021	*	1,321,968
3100 DAIRY CATTLE	20	3.3	111,089	1,380,051	*	34,051
3200 SWINE	33	11.5	269,540	4,470,369	*	475,567
3300 SHEEP AND WOOL	9	1.5	26,531	1,527,243	*	284,524
3400 OTHER ANIMALS	4	0.9	13,242	281,166	*	0
3600 FARM SUPP & FACILITS	3	1.2	3,140	333,089	*	0
3700 CLOTHING & TEXTILES	3	0.7	21,401	95,694	*	0
3800 FOOD	11	2.2	74,121	465,265	*	0
3900 HOUSING & EQUIP	4	0.7	8,094	79,695	*	0
4000 PEOPLE AS INDIVIDUALS	8	2.3	2,213	246,951	*	0
4100 FAMILY MEMBERS	12	3.1	37,512	237,472	*	0
4200 FARM AS BUSINESS	2	0.3	745	63,316	*	0
4300 SOC POLIT ORGANIZ	2	0.1	6,156	17,715	*	0
4400 AGRIC ECONOMY U S	1	1.0	49,273	150,595	*	0
4600 FARM COOPERATIVES	1	0.2	3,880	27,857	*	8,090
4800 MARKETING SYSTEMS	1	0.7	43,697	116,450	*	0
6100 WEEDS	5	2.2	43,561	324,204	*	12,494
6200 SEED RESEARCH	1	1.0	0	434,924	*	0
6400 EXP DESIGN/STAT METHOD	3	3.4	3,880	290,597	*	0
6500 INVERTEBRATES	2	0.8	33,212	103,001	*	0
6600 MICROORGANISMS VIRUSES	9	3.3	41,443	703,030	*	2,422
6700 PLANTS	24	9.0	184,488	1,633,323	*	61,791
6800 ANIMALS(VERTEBRATES)	2	0.4	0	239,476	*	2,773
7000 RSCH EQUIP & TECHNOLOGY	2	0.2	1,944	32,149	*	0
TOTAL		143.6	3,093,954	36,260,365	*	3,073,454

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NEVADA RENO SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	12	1.6	45,145	282,851	*	874
0200 WATER	12	1.5	45,469	352,506	*	874
0300 WATERSHEDS RIVER BAS	7	0.9	37,975	157,629	*	0
0500 RECREATION RESOURCES	1	0.1	0	46,727	*	0
0600 TIMBER FORST PRODUCT	8	1.6	35,530	203,866	*	4,680
0700 RANGE	16	1.7	61,311	329,982	*	1,324
0800 WILDLIFE AND FISH	11	1.4	32,455	275,274	*	1,644
1100 POTATOES	1	0.0	0	186	*	94
1200 VEGETABLES	2	0.0	819	1,911	*	94
1300 ORNAMENTALS TURF	7	0.7	18,373	129,838	*	0
1700 WHEAT	1	0.0	0	186	*	94
1800 OTHER SMALL GRAINS	1	0.0	0	186	*	94
2000 FORAGE CROPS	9	2.5	103,047	415,823	*	1,440
2100 COTTON	1	0.0	950	2,905	*	0
2800 MISC NEW CROPS	1	0.2	7,471	22,294	*	0
3000 BEEF CATTLE	30	7.0	235,174	1,548,701	*	154,304
3100 DAIRY CATTLE	8	0.6	27,017	233,217	*	63,853
3200 SWINE	2	0.0	1,799	11,364	*	3,949
3300 SHEEP AND WOOL	6	1.4	53,495	282,758	*	0
3400 OTHER ANIMALS	2	0.4	19,088	292,797	*	0
3600 FARM SUPP & FACILITS	1	0.4	17,117	39,626	*	0
3700 CLOTHING & TEXTILES	1	0.3	8,549	26,143	*	0
3800 FOOD	1	0.3	15,056	36,031	*	0
3900 HOUSING & EQUIP	2	0.1	4,515	23,903	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.3	5,153	32,728	*	0
4100 FAMILY MEMBERS	5	1.1	51,118	169,369	*	0
4200 FARM AS BUSINESS	4	0.5	17,117	74,480	*	0
4300 SOC POLIT ORGANIZ	6	0.8	17,157	172,362	*	0
4800 MARKETING SYSTEMS	1	0.0	0	9	*	0
6100 WEEDS	1	0.0	0	1,338	*	150
6300 BIO CELL SYSTEMS	9	1.5	62,743	359,085	*	0
6400 EXP DESIGN/STAT METHOD	3	0.1	4,178	34,422	*	0
6500 INVERTEBRATES	15	2.3	80,471	879,105	*	165,598
6600 MICROORGANISMS VIRUSES	2	0.4	9,073	45,467	*	0
6700 PLANTS	14	2.4	73,453	660,716	*	115,279
6800 ANIMALS(VERTEBRATES)	7	1.3	15,117	256,541	*	0
TOTAL		33.7	1,105,935	7,402,324	*	514,348

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NEW HAMPSHIRE DURHAM SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	5	0.6	28,649	110,448	*	0
0200 WATER	8	0.7	37,487	98,006	*	0
0300 WATERSHEDS RIVER BAS	1	0.1	6,269	13,721	*	0
0500 RECREATION RESOURCES	2	0.1	7,568	11,319	*	0
0600 TIMBER FORST PRODUCT	21	6.1	280,519	680,977	*	0
0800 WILDLIFE AND FISH	12	1.6	153,591	222,688	*	0
1000 FRUIT NUTS DECIDUCUS	4	1.9	71,592	134,804	*	0
1200 VEGETABLES	5	2.3	112,659	335,336	*	0
1300 ORNAMENTALS TURF	1	0.0	1,814	2,152	*	0
1400 CORN	2	1.1	32,361	110,656	*	0
2000 FORAGE CROPS	3	0.5	24,361	83,261	*	0
2300 SOYBEANS	1	0.5	50,990	96,714	*	0
2500 OTHER OILSEED CROPS	1	0.2	7,093	20,476	*	0
2800 MISC NEW CROPS	1	0.3	1,253	27,006	*	0
2900 POULTRY	2	1.2	121,933	374,073	*	0
3000 BEEF CATTLE	1	0.0	96	96	*	0
3100 DAIRY CATTLE	6	3.1	193,576	633,597	*	0
3200 SWINE	3	1.7	86,228	224,931	*	0
3400 OTHER ANIMALS	2	1.0	31,763	88,996	*	0
3900 HOUSING & EQUIP	3	0.2	10,545	19,079	*	0
4000 PEOPLE AS INDIVIDUALS	5	0.5	19,237	34,762	*	0
4100 FAMILY MEMBERS	3	0.3	7,645	36,061	*	0
4300 SOC POLIT ORGANIZ	9	2.1	62,524	193,233	*	0
6100 WEEDS	1	0.0	1,814	2,152	*	0
6300 BIO CELL SYSTEMS	1	0.2	3,900	20,524	*	0
6400 EXP DESIGN/STAT METHOD	1	0.2	6,354	10,893	*	0
6500 INVERTEBRATES	3	1.4	43,091	142,583	*	0
6600 MICROORGANISMS VIRUSES	3	1.3	37,254	136,804	*	0
6700 PLANTS	3	0.1	26,108	72,657	*	0
6800 ANIMALS(VERTEBRATES)	4	0.9	33,947	69,582	*	0
TOTAL		30.4	1,502,222	4,007,589	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NEW JERSEY NEW BRUNSWICK SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	17	4.6	39,014	653,961	*	0
0200 WATER	12	4.2	22,838	743,733	*	0
0300 WATERSHEDS RIVER BAS	2	0.1	2,442	32,125	*	0
0400 AIR AND CLIMATE	3	0.7	11,969	162,067	*	0
0600 TIMBER FORST PRODUCT	10	2.5	196,933	557,449	*	5,433
0800 WILDLIFE AND FISH	12	4.9	13,169	1,020,132	*	0
1000 FRUIT NUTS DECIDUCUS	25	10.1	251,553	1,510,786	*	198,060
1100 POTATOES	8	2.5	68,015	244,685	*	301
1200 VEGETABLES	29	8.2	298,688	1,551,287	*	15,854
1300 ORNAMENTALS TURF	7	3.5	83,604	817,394	*	0
1400 CORN	9	1.8	43,839	266,802	*	5,537
1700 WHEAT	2	0.3	14,583	89,749	*	0
2000 FORAGE CROPS	5	1.4	26,006	189,000	*	0
2200 COTTONSEED	1	0.0	0	8,243	*	5,296
2300 SOYBEANS	6	1.0	20,826	135,055	*	5,537
2400 PEANUTS	1	0.0	0	8,243	*	5,296
2900 POULTRY	13	3.6	85,673	723,026	*	128,685
3000 BEEF CATTLE	1	0.7	1,721	77,126	*	0
3100 DAIRY CATTLE	7	1.1	95,622	340,227	*	0
3200 SWINE	2	0.1	2,626	50,640	*	0
3300 SHEEP AND WOOL	2	0.2	6,582	78,240	*	0
3400 OTHER ANIMALS	4	1.0	22,731	154,090	*	0
3500 BEES AND HONEY	1	0.6	11,956	69,955	*	0
3600 FARM SUPP & FACILITS	5	1.1	46,055	334,050	*	0
3800 FOOD	19	9.8	145,859	959,471	*	4,263
3900 HOUSING & EQUIP	5	2.9	67,618	438,606	*	0
4000 PEOPLE AS INDIVIDUALS	21	5.2	53,155	968,316	*	0
4200 FARM AS BUSINESS	2	0.5	65,034	112,553	*	0
4300 SOC POLIT ORGANIZ	3	0.5	26,371	144,703	*	0
4500 AGRIC ECONOMY FORGN	1	1.0	0	67,781	*	0
4800 MARKETING SYSTEMS	2	0.8	4,438	86,324	*	0
6100 WEEDS	2	0.5	9,610	59,172	*	0
6300 BIO CELL SYSTEMS	12	4.3	108,973	850,289	*	0
6400 EXP DESIGN/STAT METHOD	5	1.9	16,879	456,399	*	0
6500 INVERTEBRATES	14	3.5	109,103	427,975	*	36,548
6600 MICROORGANISMS VIRUSES	14	3.3	123,843	816,934	*	18,000
6700 PLANTS	15	7.6	364,596	1,129,736	*	430,581
6800 ANIMALS(VERTEBRATES)	7	1.0	10,694	285,702	*	86,617
6900 RESEARCH ON RSCH MGMT	3	0.3	31,204	104,965	*	0
7000 RSCH EQUIP & TECHNOLOGY	4	0.9	1,130	235,739	*	0
TOTAL		98.4	2,504,953	16,962,729	*	946,007

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NEW MEXICO UNIVERSITY PARK SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	11	2.6	42,270	461,224	*	109,071
0200 WATER	14	4.1	51,277	486,067	*	38,925
0300 WATERSHEDS RIVER BAS	2	0.6	8,949	65,568	*	0
0500 RECREATION RESOURCES	3	1.2	8,354	118,870	*	0
0600 TIMBER FORST PRODUCT	9	3.1	184,765	653,946	*	21,615
0700 RANGE	21	3.8	134,987	695,429	*	30,521
0800 WILDLIFE AND FISH	7	3.4	11,552	335,643	*	3,527
1000 FRUIT NUTS DECIDUCUS	12	2.1	2,241	285,976	*	532
1100 POTATOES	2	0.2	0	23,208	*	0
1200 VEGETABLES	21	6.2	62,001	1,020,071	*	94,950
1300 ORNAMENTALS TURF	6	2.1	10,137	166,383	*	8,270
1400 CORN	10	0.8	48,133	236,617	*	50,888
1500 GRAIN SORGHUM	11	0.8	9,182	175,538	*	6,294
1700 WHEAT	12	0.8	12,216	171,774	*	6,826
1800 OTHER SMALL GRAINS	6	0.3	0	60,709	*	0
1900 PASTURE	6	0.2	42,703	77,060	*	0
2000 FORAGE CROPS	24	4.1	199,032	1,279,175	*	437,881
2100 COTTON	14	2.3	158,152	541,791	*	13,715
2300 SOYBEANS	8	0.8	10,905	130,109	*	7,176
2400 PEANUTS	2	1.2	55	112,330	*	0
2500 OTHER OILSEED CROPS	4	0.3	0	130,597	*	13,930
2700 SUGAR CROPS	3	0.2	0	35,409	*	0
2800 MISC NEW CROPS	8	2.4	45,665	312,111	*	27,496
3000 BEEF CATTLE	27	9.3	356,615	1,726,930	*	243,109
3100 DAIRY CATTLE	2	0.2	2,862	25,325	*	0
3200 SWINE	1	0.0	0	1,650	*	0
3300 SHEEP AND WOOL	12	2.1	77,644	256,728	*	0
3400 OTHER ANIMALS	4	1.1	4,293	119,237	*	0
3800 FOOD	1	0.5	31,189	59,640	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.6	0	46,018	*	0
4200 FARM AS BUSINESS	2	1.1	0	104,890	*	8,528
4300 SOC POLIT ORGANIZ	2	1.0	0	84,283	*	450
4400 AGRIC ECONOMY U S	1	0.3	0	32,914	*	0
4500 AGRIC ECONOMY FORGN	1	0.3	0	40,228	*	0
6300 BIO CELL SYSTEMS	1	0.0	0	7,075	*	7,075
6500 INVERTEBRATES	1	0.5	2,964	62,344	*	0
6600 MICROORGANISMS VIRUSES	1	0.0	0	37,973	*	33,457
6700 PLANTS	4	0.8	54,419	235,632	*	36,839
6800 ANIMALS(VERTEBRATES)	1	0.8	54,419	117,828	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.4	0	82,847	*	14,941
TOTAL		63.0	1,628,981	10,617,149	*	1,216,017

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NEW YORK GENEVA SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.0	0	1,976	*	0
0200 WATER	1	0.0	0	1,976	*	0
0800 WILDLIFE AND FISH	2	0.3	0	44,104	*	21,597
0900 CITRUS SUB TROP FRUT	1	0.1	1,098	33,367	*	0
1000 FRUIT NUTS DECIDUCUS	68	28.2	298,279	5,322,800	*	450,650
1100 POTATOES	1	0.4	0	34,894	*	8,562
1200 VEGETABLES	46	17.1	282,703	3,283,624	*	275,214
1300 ORNAMENTALS TURF	5	0.6	24,575	150,198	*	14,014
1400 CORN	1	0.4	0	52,442	*	0
1600 RICE	3	0.3	11,828	52,933	*	0
1700 WHEAT	2	0.1	11,828	39,681	*	0
1800 OTHER SMALL GRAINS	2	0.3	11,731	93,394	*	0
2000 FORAGE CROPS	2	0.1	44,093	100,507	*	42,043
2800 MISC NEW CROPS	1	0.1	0	3,813	*	0
2900 POULTRY	2	0.3	0	44,104	*	21,597
3800 FOOD	5	1.0	7,566	176,056	*	0
3900 HOUSING & EQUIP	1	0.0	0	15,309	*	8,471
4100 FAMILY MEMBERS	1	0.2	2,141	33,860	*	0
6200 SEED RESEARCH	9	2.1	23,579	267,438	*	5,151
6300 BIO CELL SYSTEMS	3	0.6	9,696	81,463	*	0
6500 INVERTEBRATES	10	1.8	55,302	472,106	*	149,385
6600 MICROORGANISMS VIRUSES	1	0.1	0	60,465	*	45,512
6700 PLANTS	3	1.0	5,811	293,960	*	15,308
6800 ANIMALS(VERTEBRATES)	2	0.4	0	58,806	*	28,796
TOTAL		55.8	784,230	10,718,974	*	1,086,300

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NEW YORK ITHACA SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA COM/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	47	12.4	139,961	2,243,182	*	87,046
0200 WATER	38	11.9	85,203	1,795,851	*	30,266
0300 WATERSHEDS RIVER BAS	2	0.1	5,351	36,615	*	0
0400 AIR AND CLIMATE	6	0.6	11,769	482,984	*	0
0500 RECREATION RESOURCES	2	0.2	14,390	81,708	*	0
0600 TIMBER FORST PRODUCT	29	4.2	167,894	991,551	*	146,537
0700 RANGE	2	0.0	1,607	10,668	*	0
0800 WILDLIFE AND FISH	44	22.9	104,964	4,594,497	*	495,674
0900 CITRUS SUB TROP FRUT	1	0.0	0	26,768	*	0
1000 FRUIT NUTS DECIDUOUS	20	4.0	153,266	819,608	*	1,308
1100 POTATOES	31	7.3	173,442	2,423,431	*	660,576
1200 VEGETABLES	54	15.0	338,508	3,343,340	*	168,196
1300 ORNAMENTALS TURF	23	4.4	201,606	1,517,803	*	0
1400 CORN	18	5.1	125,780	944,869	*	11,473
1500 GRAIN SORGHUM	2	0.1	3,766	41,625	*	0
1600 RICE	4	0.6	19,800	246,346	*	0
1700 WHEAT	8	1.3	28,040	421,606	*	15,309
1800 OTHER SMALL GRAINS	7	4.5	36,379	388,240	*	27,073
1900 PASTURE	2	0.1	3,479	37,320	*	17,284
2000 FORAGE CROPS	16	5.3	122,589	1,275,217	*	51,810
2300 SOYBEANS	8	1.8	29,550	300,814	*	7,462
2400 PEANUTS	1	0.0	0	13,123	*	10,370
2800 MISC NEW CROPS	1	1.9	0	453,114	*	0
2900 POULTRY	26	9.5	240,342	1,748,108	*	68,451
3000 BEEF CATTLE	17	4.3	126,972	842,038	*	53,297
3100 DAIRY CATTLE	56	19.2	350,220	5,248,140	*	115,327
3200 SWINE	8	0.9	24,679	313,605	*	6,294
3300 SHEEP AND WOOL	8	2.1	54,124	533,693	*	11,643
3400 OTHER ANIMALS	8	2.5	19,262	503,740	*	0
3500 BEES AND HONEY	4	1.3	35,067	180,522	*	16,610
3600 FARM SUPP & FACILITS	7	1.7	8,593	222,970	*	1,140
3700 CLOTHING & TEXTILES	15	0.8	30,269	324,782	*	0
3800 FOOD	20	6.2	116,614	1,693,949	*	26,837
3900 HOUSING & EQUIP	11	2.4	42,190	424,515	*	0
4000 PEOPLE AS INDIVIDUALS	105	29.6	262,159	6,457,671	*	51,236
4100 FAMILY MEMBERS	27	9.0	55,838	1,134,028	*	94,794
4200 FARM AS BUSINESS	9	1.1	51,489	216,812	*	0
4300 SOC POLIT ORGANIZ	32	6.3	127,741	1,519,912	*	13,312
4400 AGRIC ECONOMY U S	10	0.9	42,191	245,141	*	5,907
4500 AGRIC ECONOMY FORGN	5	0.7	2,805	164,363	*	1,343
4600 FARM COOPERATIVES	1	0.3	7,911	32,448	*	0
4700 OTH MARKET PROCESS	2	0.8	0	58,886	*	0
4800 MARKETING SYSTEMS	4	0.5	31,166	114,585	*	0
6100 WEEDS	2	0.0	1,076	29,599	*	0
6200 SEED RESEARCH	2	0.7	8,791	141,205	*	0
6300 BIO CELL SYSTEMS	33	15.7	177,630	3,522,461	*	0
6400 EXP DESIGN/STAT METHOD	19	4.8	75,065	639,004	*	4,430
6500 INVERTEBRATES	27	10.1	59,814	1,388,567	*	80,110
6600 MICROORGANISMS VIRUSES	42	13.7	106,555	2,943,317	*	379,969
6700 PLANTS	49	10.4	122,494	2,574,126	*	406,124
6800 ANIMALS(VERTEBRATES)	22	6.8	98,864	1,184,529	*	93,776
6900 RESEARCH ON RSCH MGMT	2	0.8	7,897	76,801	*	0
7000 RSCH EQUIP & TECHNOLOGY	8	7.5	314	782,625	*	9,566
TOTAL		274.8	4,071,475	57,748,423	*	3,170,549

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NORTH CAROLINA RALEIGH SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADNSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	42	9.2	192,014	2,143,288	*	75,348
0200 WATER	19	3.5	127,852	926,412	*	30,039
0300 WATERSHEDS RIVER BAS	5	0.5	14,543	188,657	*	0
0400 AIR AND CLIMATE	2	0.2	0	89,213	*	32,164
0500 RECREATION RESOURCES	4	0.8	69,584	297,810	*	10,885
0600 TIMBER FORST PRODUCT	52	28.5	514,321	4,739,359	*	1,437,078
0800 WILDLIFE AND FISH	27	6.0	161,356	1,480,298	*	48,332
1000 FRUIT NUTS DECIDUOUS	46	13.3	393,770	3,671,402	*	34,318
1100 POTATOES	12	1.8	28,853	766,011	*	0
1200 VEGETABLES	50	15.8	279,804	4,316,199	*	92,409
1300 ORNAMENTALS TURF	28	7.6	178,568	1,613,825	*	411
1400 CORN	47	13.2	245,474	3,544,008	*	224,836
1500 GRAIN SORGHUM	1	0.0	0	23,288	*	0
1600 RICE	3	2.1	3,696	854,653	*	996
1700 WHEAT	9	1.4	24,715	489,338	*	37,526
1800 OTHER SMALL GRAINS	5	0.9	16,285	380,074	*	12,509
1900 PASTURE	2	0.0	3,811	36,587	*	6,586
2000 FORAGE CROPS	19	3.1	105,154	768,926	*	82,154
2100 COTTON	13	2.1	82,353	403,164	*	36,373
2300 SOYBEANS	50	7.9	219,978	1,905,564	*	234,698
2400 PEANUTS	29	5.6	194,799	1,645,104	*	65,135
2500 OTHER OILSEED CROPS	1	0.1	3,112	14,237	*	0
2600 TOBACCO	60	18.1	320,717	5,136,024	*	89,787
2800 MISC NEW CROPS	4	0.5	13,567	114,600	*	0
2900 POULTRY	56	16.5	563,545	4,165,844	*	141,472
3000 BEEF CATTLE	27	5.3	182,109	1,972,806	*	9,879
3100 DAIRY CATTLE	38	9.4	559,110	3,251,619	*	72,449
3200 SWINE	34	7.8	373,657	2,118,075	*	22,652
3300 SHEEP AND WOOL	10	0.5	33,426	249,484	*	240
3400 OTHER ANIMALS	15	3.3	46,988	715,093	*	0
3500 BEES AND HONEY	2	0.3	4,554	69,783	*	0
3600 FARM SUPP & FACILITS	1	0.4	16,094	111,004	*	0
3700 CLOTHING & TEXTILES	4	0.5	39,394	95,163	*	0
3800 FOOD	12	3.9	78,818	598,234	*	1,944
3900 HOUSING & EQUIP	6	1.2	42,088	197,226	*	0
4000 PEOPLE AS INDIVIDUALS	20	3.4	112,243	556,008	*	66,845
4100 FAMILY MEMBERS	5	0.9	36,354	107,961	*	0
4200 FARM AS BUSINESS	8	2.0	50,541	246,095	*	354
4300 SOC POLIT ORGANIZ	10	2.6	120,490	364,906	*	4,981
4400 AGRIC ECONOMY U S	4	1.7	62,603	221,799	*	30,848
4600 FARM COOPERATIVES	1	0.1	4,030	16,279	*	0
4700 OTH MARKET PROCESS	1	0.1	0	16,898	*	0
6100 WEEDS	9	1.6	35,031	301,322	*	18,632
6200 SEED RESEARCH	1	1.0	5,769	163,175	*	0
6300 BIO CELL SYSTEMS	24	5.8	137,082	2,131,373	*	137,106
6400 EXP DESIGN/STAT METHOD	9	3.2	27,594	558,945	*	102,768
6500 INVERTEBRATES	27	9.4	139,206	1,394,683	*	197,664
6600 MICROORGANISMS VIRUSES	25	5.0	81,292	1,368,969	*	89,105
6700 PLANTS	42	8.1	77,516	2,919,467	*	334,377
6800 ANIMALS(VERTEBRATES)	18	5.0	139,479	1,441,146	*	9,766
7000 RSCH EQUIP & TECHNOLOGY	4	0.6	33,874	204,007	*	0
TOTAL		242.1	6,191,213	61,105,408	*	3,792,669

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NORTH DAKOTA FARGO SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	28	11.7	160,407	1,768,944	*	154,849
0200 WATER	12	5.0	54,061	620,904	*	393
0300 WATERSHEDS RIVER BAS	1	0.4	12,199	54,917	*	0
0400 AIR AND CLIMATE	3	0.9	16,998	120,477	*	0
0500 RECREATION RESOURCES	2	0.7	0	169,000	*	44,897
0600 TIMBER FORST PRODUCT	5	1.4	63,213	392,798	*	120,851
0700 RANGE	9	5.6	118,251	921,148	*	1,573
1000 FRUIT NUTS DECIDUOUS	2	0.0	553	4,980	*	0
1100 POTATOES	15	6.0	139,141	1,107,520	*	311,942
1200 VEGETABLES	22	3.5	55,280	716,177	*	74,468
1300 ORNAMENTALS TURF	4	0.4	6,714	38,422	*	0
1400 CORN	15	2.0	32,362	340,501	*	0
1700 WHEAT	44	15.7	296,535	3,004,356	*	82,332
1800 OTHER SMALL GRAINS	33	9.5	130,050	1,631,183	*	6,939
1900 PASTURE	2	0.2	2,159	40,168	*	34,410
2000 FORAGE CROPS	12	3.7	57,952	519,303	*	28,218
2100 COTTON	1	0.2	0	78,381	*	0
2300 SOYBEANS	8	2.1	24,782	383,555	*	0
2500 OTHER OILSEED CROPS	30	9.9	442,775	1,813,518	*	472,227
2700 SUGAR CROPS	6	1.7	36,973	222,460	*	0
2800 MISC NEW CROPS	4	0.3	0	84,163	*	0
3000 BEEF CATTLE	24	11.2	213,649	1,755,511	*	0
3100 DAIRY CATTLE	7	4.7	125,051	741,167	*	0
3200 SWINE	13	4.9	139,049	842,354	*	0
3300 SHEEP AND WOOL	10	3.3	23,016	632,482	*	49,658
3400 OTHER ANIMALS	1	0.0	0	15,909	*	0
3600 FARM SUPP & FACILITS	1	0.1	0	107,429	*	107,429
3800 FOOD	1	0.5	9,979	81,816	*	0
3900 HOUSING & EQUIP	1	0.1	0	14,099	*	0
4000 PEOPLE AS INDIVIDUALS	3	0.7	8,390	50,836	*	0
4100 FAMILY MEMBERS	2	0.4	8,169	33,807	*	0
4200 FARM AS BUSINESS	3	2.4	55,887	222,147	*	0
4300 SOC POLIT ORGANIZ	7	2.0	24,625	466,345	*	182,022
4400 AGRIC ECONOMY U S	2	0.8	19,058	175,512	*	0
4500 AGRIC ECONOMY FORGN	1	0.1	0	14,986	*	0
4600 FARM COOPERATIVES	1	0.6	12,848	83,824	*	29,847
4700 OTH MARKET PROCESS	1	0.1	0	18,994	*	9,226
4800 MARKETING SYSTEMS	2	0.4	314	58,311	*	0
6100 WEEDS	5	1.8	50,457	369,235	*	39,250
6300 BIO CELL SYSTEMS	5	1.2	34,578	221,947	*	171
6500 INVERTEBRATES	5	0.9	4,183	115,187	*	45,984
6600 MICROORGANISMS VIRUSES	9	2.3	42,774	287,657	*	0
6700 PLANTS	7	0.9	0	172,247	*	42,597
6800 ANIMALS (VERTEBRATES)	5	5.0	34,550	916,197	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	0	4,218	*	0
TOTAL		125.2	2,456,982	21,435,092	*	1,839,283

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- OHIO WOOSTER SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	34	8.6	194,311	1,785,967	*	16,860
0200 WATER	16	2.3	27,462	483,103	*	0
0300 WATERSHEDS RIVER BAS	3	0.7	13,716	106,725	*	0
0400 AIR AND CLIMATE	3	0.2	16,005	124,869	*	0
0500 RECREATION RESOURCES	6	1.3	23,383	215,491	*	6,660
0600 TIMBER FORST PRODUCT	34	12.6	474,927	1,874,583	*	97,385
0700 RANGE	1	0.0	550	1,166	*	0
0800 WILDLIFE AND FISH	5	0.5	22,320	162,895	*	0
0900 CITRUS SUB TROP FRUT	1	0.2	7,556	27,535	*	0
1000 FRUIT NUTS DECIDUOUS	31	10.0	326,117	2,657,530	*	61,929
1100 POTATOES	9	1.4	50,452	331,935	*	87,845
1200 VEGETABLES	29	10.6	479,047	1,811,396	*	0
1300 ORNAMENTALS TURF	23	7.4	346,819	1,445,461	*	18,108
1400 CORN	34	10.7	381,760	2,140,460	*	38,837
1700 WHEAT	10	1.6	51,368	408,683	*	24,958
1800 OTHER SMALL GRAINS	5	1.1	32,798	253,849	*	0
2000 FORAGE CROPS	13	2.0	75,241	720,742	*	0
2100 COTTON	1	0.4	17,140	56,202	*	0
2300 SOYBEANS	35	9.8	313,006	2,023,384	*	24,944
2500 OTHER OILSEED CROPS	5	0.5	9,662	72,789	*	4,094
2600 TOBACCO	3	0.5	0	135,815	*	0
2700 SUGAR CROPS	2	0.6	32,984	93,438	*	0
2900 POULTRY	32	7.9	406,819	2,531,364	*	120,267
3000 BEEF CATTLE	23	5.0	242,882	1,430,911	*	17,818
3100 DAIRY CATTLE	43	11.4	661,504	3,575,426	*	89,996
3200 SWINE	30	9.5	316,381	3,580,734	*	264,127
3300 SHEEP AND WOOL	7	3.6	158,482	1,062,272	*	0
3400 OTHER ANIMALS	6	0.7	6,735	219,053	*	0
3500 BEES AND HONEY	1	0.1	4,617	10,029	*	0
3600 FARM SUPP & FACILITS	5	1.2	5,907	316,734	*	19,366
3700 CLOTHING & TEXTILES	1	0.5	10,440	39,228	*	0
3800 FOOD	13	3.7	138,673	824,872	*	39,225
3900 HOUSING & EQUIP	4	1.6	42,336	329,287	*	0
4000 PEOPLE AS INDIVIDUALS	15	2.0	23,889	355,312	*	0
4100 FAMILY MEMBERS	13	3.6	87,885	578,993	*	14,434
4200 FARM AS BUSINESS	5	2.1	32,547	233,108	*	9,623
4300 SOC POLIT ORGANIZ	11	1.3	4,486	335,961	*	8,153
4400 AGRIC ECONOMY U S	7	1.1	30,082	165,786	*	278
4500 AGRIC ECONOMY FORGN	1	0.1	1,946	20,620	*	0
6100 WEEDS	3	0.3	2,304	70,487	*	3,610
6300 BIO CELL SYSTEMS	4	0.2	15,438	69,619	*	0
6400 EXP DESIGN/STAT METHOD	1	0.2	0	53,181	*	0
6500 INVERTEBRATES	4	1.4	39,053	313,151	*	101,414
6600 MICROORGANISMS VIRUSES	6	1.4	52,381	282,987	*	22,232
6700 PLANTS	24	3.2	51,115	1,065,629	*	132,149
6800 ANIMALS(VERTEBRATES)	8	1.2	35,250	188,386	*	6,172
6900 RESEARCH ON RSCH MGMT	2	1.1	2,448	108,993	*	0
7000 RSCH EQUIP & TECHNOLOGY	5	0.7	26,197	83,111	*	0
TOTAL		148.3	5,292,421	34,779,252	*	1,230,386

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- OKLAHOMA STILLWATER SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	14	5.5	101,114	869,593	*	212
0200 WATER	10	4.9	18,358	845,209	*	0
0300 WATERSHEDS RIVER BAS	3	0.3	23,868	238,043	*	15,345
0500 RECREATION RESOURCES	2	0.2	0	17,820	*	0
0600 TIMBER FORST PRODUCT	10	5.1	282,930	703,793	*	25,246
0700 RANGE	6	3.1	97,068	517,110	*	2,223
0800 WILDLIFE AND FISH	1	0.0	0	13,435	*	0
1000 FRUIT NUTS DECIDUOUS	11	2.0	5,305	482,159	*	104,636
1100 POTATOES	2	0.5	0	70,890	*	63,136
1200 VEGETABLES	21	9.2	13,302	1,452,629	*	337,391
1300 ORNAMENTALS TURF	3	0.0	0	43,344	*	0
1500 GRAIN SORGHUM	8	1.6	50,303	333,359	*	3,282
1700 WHEAT	27	13.1	256,247	2,403,019	*	124,755
1800 OTHER SMALL GRAINS	3	0.9	950	149,320	*	0
1900 PASTURE	2	0.7	40,164	122,610	*	2,223
2000 FORAGE CROPS	12	5.2	234,104	1,081,722	*	4,427
2100 COTTON	9	4.6	196,989	814,387	*	0
2300 SOYBEANS	4	2.1	54,872	279,446	*	0
2400 PEANUTS	6	1.2	70,797	226,758	*	31,197
2800 MISC NEW CROPS	1	0.2	0	37,563	*	0
2900 POULTRY	2	1.1	39,878	317,955	*	4,250
3000 BEEF CATTLE	34	16.4	450,375	3,336,442	*	178,331
3100 DAIRY CATTLE	14	4.8	108,666	1,025,502	*	5,820
3200 SWINE	6	3.4	326,343	666,768	*	46,472
3300 SHEEP AND WOOL	3	2.4	0	500,880	*	0
3400 OTHER ANIMALS	6	3.3	39,586	615,253	*	23,041
3600 FARM SUPP & FACILITS	5	2.1	0	352,259	*	0
3700 CLOTHING & TEXTILES	1	0.1	229	13,863	*	0
3800 FOOD	2	1.5	14,692	259,753	*	2,926
3900 HOUSING & EQUIP	4	2.7	9,734	345,966	*	18,418
4000 PEOPLE AS INDIVIDUALS	5	1.8	53,398	173,849	*	0
4100 FAMILY MEMBERS	2	0.6	822	69,356	*	0
4200 FARM AS BUSINESS	11	4.0	27,125	475,823	*	16,946
4300 SOC POLIT ORGANIZ	2	0.3	0	66,758	*	0
4400 AGRIC ECONOMY U S	5	1.9	14,532	199,025	*	46,985
4500 AGRIC ECONOMY FORGN	1	0.1	0	81,517	*	0
4800 MARKETING SYSTEMS	1	0.0	0	597	*	0
6100 WEEDS	2	1.6	104,266	289,427	*	0
6300 BIO CELL SYSTEMS	3	1.7	110,453	268,567	*	0
6500 INVERTEBRATES	5	1.7	76,816	373,517	*	22,019
6600 MICROORGANISMS VIRUSES	6	2.9	32,444	566,735	*	34,936
6700 PLANTS	11	5.4	97,439	975,743	*	44,715
6800 ANIMALS(VERTEBRATES)	2	0.7	50,187	102,437	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.0	0	1,310	*	1,310
TOTAL		121.5	2,997,355	21,781,509	*	1,160,242

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- OREGON CORVALLIS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	22	7.1	85,620	1,357,819	*	116,410
0200 WATER	13	4.5	78,775	1,098,655	*	106,801
0300 WATERSHEDS RIVER BAS	7	1.4	19,539	212,131	*	4,874
0500 RECREATION RESOURCES	2	0.4	7,556	38,884	*	0
0600 TIMBER FORST PRODUCT	19	4.0	52,018	587,793	*	98,639
0700 RANGE	16	3.8	33,495	495,268	*	67,034
0800 WILDLIFE AND FISH	25	15.3	70,626	3,088,923	*	243,491
1000 FRUIT NUTS DECIDUOUS	49	18.5	254,631	2,586,756	*	111,655
1100 POTATOES	18	5.6	47,247	1,093,348	*	286,131
1200 VEGETABLES	37	12.7	175,841	1,937,666	*	52,121
1300 ORNAMENTALS TURF	14	4.8	32,850	641,916	*	71,099
1400 CORN	6	0.1	1,001	109,542	*	52,885
1700 WHEAT	25	9.4	74,195	1,506,689	*	239,893
1800 OTHER SMALL GRAINS	18	3.3	19,366	522,770	*	28,237
1900 PASTURE	6	0.6	10,114	96,238	*	0
2000 FORAGE CROPS	26	3.1	53,745	504,028	*	12,755
2300 SOYBEANS	1	0.1	3,480	27,401	*	0
2500 OTHER OILSEED CROPS	4	2.7	0	486,419	*	160,206
2600 TOBACCO	1	0.0	2,029	15,972	*	0
2700 SUGAR CROPS	2	0.2	4,433	41,113	*	1,050
2800 MISC NEW CROPS	24	5.1	34,374	842,790	*	128,382
2900 POULTRY	12	4.0	136,887	785,790	*	0
3000 BEEF CATTLE	23	9.9	216,275	2,114,917	*	98,607
3100 DAIRY CATTLE	13	3.6	77,500	829,597	*	7,509
3200 SWINE	9	1.2	18,625	347,111	*	56,918
3300 SHEEP AND WOOL	15	2.3	119,018	511,821	*	19,516
3400 OTHER ANIMALS	10	2.1	30,016	319,476	*	0
3500 BEES AND HONEY	3	0.7	4,152	69,352	*	22,584
3700 CLOTHING & TEXTILES	1	0.0	4,686	5,372	*	0
3800 FOOD	7	5.3	127,895	878,213	*	23,046
3900 HOUSING & EQUIP	1	0.6	48,610	90,981	*	0
4000 PEOPLE AS INDIVIDUALS	10	4.7	75,107	553,576	*	37,956
4100 FAMILY MEMBERS	8	1.2	34,349	158,349	*	18,978
4200 FARM AS BUSINESS	4	0.3	171	20,793	*	0
4300 SOC POLIT ORGANIZ	6	2.1	38,905	336,954	*	42,226
4400 AGRIC ECONOMY U S	1	0.8	13,157	118,686	*	4,270
4500 AGRIC ECONOMY FORGN	2	0.1	1	9,235	*	0
6100 WEEDS	2	0.2	2,995	23,867	*	0
6200 SEED RESEARCH	5	2.5	11,983	905,889	*	0
6300 BIO CELL SYSTEMS	4	1.3	0	293,786	*	40,398
6400 EXP DESIGN/STAT METHOD	3	2.0	0	289,472	*	26,836
6500 INVERTEBRATES	7	3.8	32,533	366,178	*	55,748
6600 MICROORGANISMS VIRUSES	7	1.2	1,701	174,607	*	131,748
6700 PLANTS	17	2.7	24,585	712,180	*	75,187
6800 ANIMALS(VERTEBRATES)	7	4.3	16,227	719,516	*	3,758
6900 RESEARCH ON RSCH MGMT	7	7.0	329,593	2,643,636	*	27,123
7000 RSCH EQUIP & TECHNOLOGY	2	2.0	3,050	349,491	*	0
TOTAL		169.0	2,422,954	30,920,968	*	2,474,072

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- PENNSYLVANIA COLLEGE PARK SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	13	7.3	302,228	1,587,891	*	0
0200 WATER	12	4.5	134,590	719,404	*	72,972
0300 WATERSHEDS RIVER BAS	1	0.5	3,100	64,444	*	0
0400 AIR AND CLIMATE	1	1.1	8,142	82,422	*	0
0500 RECREATION RESOURCES	1	0.1	0	15,676	*	0
0600 TIMBER FORST PRODUCT	23	15.0	465,963	2,538,340	*	501,393
0800 WILDLIFE AND FISH	10	5.9	30,722	1,057,051	*	11,864
1000 FRUIT NUTS DECIDUOUS	22	11.9	423,954	2,583,826	*	134,679
1100 POTATOES	11	2.4	70,106	475,181	*	51,921
1200 VEGETABLES	18	6.1	264,671	1,336,942	*	0
1300 ORNAMENTALS TURF	19	6.8	258,672	1,325,480	*	0
1400 CORN	16	8.5	327,226	1,203,207	*	3,402
1700 WHEAT	6	3.0	71,700	322,505	*	0
1800 OTHER SMALL GRAINS	5	1.4	49,394	205,754	*	0
2000 FORAGE CROPS	15	5.2	162,549	736,871	*	66,168
2300 SOYBEANS	1	0.1	3,879	17,496	*	0
2500 OTHER OILSEED CROPS	1	0.5	19,888	29,661	*	0
2600 TOBACCO	1	0.3	8,672	43,655	*	0
2900 POULTRY	20	10.0	420,036	2,418,209	*	0
3000 BEEF CATTLE	5	1.9	68,534	514,459	*	2,258
3100 DAIRY CATTLE	28	9.8	578,691	3,051,539	*	332,654
3200 SWINE	10	5.3	235,375	1,274,411	*	32,977
3300 SHEEP AND WOOL	7	2.6	76,959	633,894	*	67,293
3400 OTHER ANIMALS	3	0.5	16,965	101,378	*	0
3600 FARM SUPP & FACILITS	2	1.4	24,447	183,645	*	0
3800 FOOD	18	7.9	404,438	1,330,314	*	0
3900 HOUSING & EQUIP	6	2.8	116,097	529,569	*	0
4000 PEOPLE AS INDIVIDUALS	14	7.6	223,329	1,012,324	*	63,530
4100 FAMILY MEMBERS	4	1.5	39,043	121,213	*	0
4200 FARM AS BUSINESS	3	2.2	72,052	315,917	*	76,917
4300 SOC POLIT ORGANIZ	11	5.8	192,886	772,101	*	77,925
4500 AGRIC ECONOMY FORGN	1	6.5	0	1,632,424	*	0
4600 FARM COOPERATIVES	1	0.3	4,316	23,731	*	0
6300 BIO CELL SYSTEMS	3	0.2	28,343	38,592	*	0
6500 INVERTEBRATES	9	1.6	39,992	412,800	*	48,828
6600 MICROORGANISMS VIRUSES	5	1.0	154,077	198,342	*	18,794
6700 PLANTS	17	4.5	181,761	938,426	*	287,801
6800 ANIMALS(VERTEBRATES)	8	2.4	103,712	506,209	*	202,709
7000 RSCH EQUIP & TECHNOLOGY	2	1.8	30,949	225,881	*	31,264
TOTAL		158.3	5,617,457	30,581,184	*	2,085,349

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- PUERTO RICO RIO PIEDRAS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	8	1.3	69,238	258,595	*	22,473
0200 WATER	1	0.2	7,472	17,354	*	0
0600 TIMBER FORST PRODUCT	2	0.3	59,942	119,883	*	0
0900 CITRUS SUB TROP FRUT	28	9.9	474,523	1,829,595	*	201,220
1000 FRUIT NUTS DECIDUCUS	1	0.2	41,006	97,028	*	0
1100 POTATOES	2	0.9	48,791	123,406	*	0
1200 VEGETABLES	32	15.6	827,147	2,610,774	*	156,078
1300 ORNAMENTALS TURF	5	1.0	57,515	138,322	*	0
1400 CORN	1	0.1	0	16,493	*	0
1600 RICE	6	0.9	43,302	145,811	*	0
1900 PASTURE	5	2.7	252,204	539,049	*	698
2000 FORAGE CROPS	4	2.0	275,737	654,598	*	0
2300 SOYBEANS	1	0.1	0	16,493	*	0
2700 SUGAR CROPS	11	9.5	630,844	1,869,188	*	0
2800 MISC NEW CROPS	11	3.7	324,719	796,919	*	1,121
2900 POULTRY	2	1.0	61,529	153,159	*	0
3000 BEEF CATTLE	2	0.6	0	175,018	*	52,782
3100 DAIRY CATTLE	2	2.2	209,596	499,745	*	0
3800 FOOD	2	2.4	152,116	372,504	*	0
3900 HOUSING & EQUIP	1	0.1	0	10,877	*	4,168
4000 PEOPLE AS INDIVIDUALS	3	1.2	49,010	111,673	*	0
4100 FAMILY MEMBERS	1	0.0	6,381	15,132	*	0
4200 FARM AS BUSINESS	2	1.2	87,686	216,417	*	2,426
4300 SOC POLIT ORGANIZ	1	0.0	8,508	20,176	*	0
6500 INVERTEBRATES	1	0.5	0	38,049	*	0
TOTAL		57.6	3,687,265	10,946,257	*	440,967

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- RHODE ISLAND KINGSTON SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	4	0.8	34,789	101,976	*	0
0200 WATER	6	3.2	102,186	294,517	*	0
0300 WATERSHEDS RIVER BAS	1	0.6	19,840	224,896	*	0
0600 TIMBER FORST PRODUCT	3	2.9	72,063	178,947	*	0
0800 WILDLIFE AND FISH	11	4.9	295,406	604,188	*	0
0900 CITRUS SUB TROP FRUT	1	0.0	3,288	5,972	*	0
1000 FRUIT NUTS DECIDUCUS	1	0.3	0	12,802	*	0
1100 POTATOES	4	2.1	68,117	194,976	*	0
1200 VEGETABLES	2	0.5	46,988	78,694	*	0
1300 ORNAMENTALS TURF	6	3.0	151,377	411,003	*	0
2000 FORAGE CROPS	1	0.2	0	12,678	*	0
2300 SOYBEANS	1	0.7	7,137	26,857	*	0
2500 OTHER OILSEED CROPS	1	0.3	12,582	27,194	*	0
2900 POULTRY	3	1.0	75,136	145,852	*	0
3100 DAIRY CATTLE	1	0.3	18,962	29,438	*	0
3300 SHEEP AND WOOL	1	0.2	7,752	25,944	*	0
3400 OTHER ANIMALS	1	0.5	6,599	38,466	*	0
3600 FARM SUPP & FACILITS	1	0.2	2,591	16,171	*	0
3800 FOOD	3	2.1	45,704	110,622	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.7	7,628	43,908	*	0
4300 SOC POLIT ORGANIZ	5	1.7	67,051	159,247	*	0
4800 MARKETING SYSTEMS	1	0.8	11,800	31,700	*	0
6600 MICROORGANISMS VIRUSES	2	1.7	28,090	81,911	*	0
6700 PLANTS	1	0.3	23,102	51,840	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.3	25,075	44,429	*	0
TOTAL		29.4	1,133,262	2,954,227	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SOUTH CAROLINA CLEMSON SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	13	2.5	162,881	442,711	*	0
0200 WATER	10	1.3	49,496	234,654	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	0	13	*	0
0500 RECREATION RESOURCES	1	0.0	2,206	5,354	*	0
0600 TIMBER FORST PRODUCT	2	0.1	4,002	25,331	*	0
0800 WILDLIFE AND FISH	13	4.7	102,524	601,302	*	2,889
1000 FRUIT NUTS DECIDUCUS	28	8.6	243,556	1,916,858	*	233,982
1200 VEGETABLES	30	9.4	173,224	2,057,081	*	199,175
1300 ORNAMENTALS TURF	18	5.3	231,776	1,109,613	*	0
1400 CORN	20	2.3	41,914	370,903	*	0
1500 GRAIN SORGHUM	2	0.1	2,158	27,758	*	0
1700 WHEAT	12	1.8	47,091	265,097	*	0
1800 OTHER SMALL GRAINS	6	0.6	5,236	102,760	*	0
1900 PASTURE	1	0.4	19,618	61,345	*	0
2000 FORAGE CROPS	14	3.6	131,935	773,474	*	0
2100 COTTON	16	3.4	56,238	734,334	*	20,358
2300 SOYBEANS	32	7.1	229,075	1,419,632	*	45,384
2400 PEANUTS	1	0.0	0	16,159	*	0
2600 TOBACCO	13	3.7	16,232	764,819	*	0
2700 SUGAR CROPS	1	0.4	0	43,074	*	0
2900 POULTRY	21	4.6	253,721	1,187,242	*	21,813
3000 BEEF CATTLE	21	5.6	334,983	1,680,231	*	0
3100 DAIRY CATTLE	20	5.0	349,733	2,258,729	*	0
3200 SWINE	10	1.4	88,786	454,700	*	0
3300 SHEEP AND WOOL	1	0.0	250	425	*	0
3400 OTHER ANIMALS	5	0.6	22,071	180,300	*	0
3700 CLOTHING & TEXTILES	1	0.0	0	37,034	*	0
3800 FOOD	3	1.2	1,670	350,804	*	62,432
3900 HOUSING & EQUIP	2	0.2	1,189	39,637	*	0
4000 PEOPLE AS INDIVIDUALS	4	0.4	27,160	117,838	*	0
4100 FAMILY MEMBERS	1	0.1	12,252	20,672	*	0
4200 FARM AS BUSINESS	5	0.4	10,918	70,240	*	49,794
4300 SOC POLIT ORGANIZ	7	1.1	70,087	173,407	*	0
4400 AGRIC ECONOMY U S	5	1.2	27,603	321,539	*	62,432
4700 OTH MARKET PROCESS	1	0.6	43,446	90,040	*	0
4800 MARKETING SYSTEMS	1	0.1	0	73,097	*	0
6100 WEEDS	3	0.5	13,254	139,819	*	0
6300 BIO CELL SYSTEMS	2	0.4	6,487	106,436	*	0
6400 EXP DESIGN/STAT METHOD	2	1.8	369	265,831	*	0
6500 INVERTEBRATES	11	4.0	36,582	608,399	*	22,938
6600 MICROORGANISMS VIRUSES	7	1.4	50,816	463,037	*	10,842
6700 PLANTS	5	6.9	12,396	2,171,850	*	437,025
6800 ANIMALS(VERTEBRATES)	5	1.3	23,337	523,736	*	62,432
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	8,004	20,342	*	0
TOTAL		94.4	2,914,277	22,327,658	*	1,231,495

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SOUTH DAKOTA BROOKINGS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	11	3.5	99,255	485,962	*	0
0200 WATER	8	2.8	37,226	327,234	*	0
0300 WATERSHEDS RIVER BAS	1	0.3	5,565	19,209	*	0
0400 AIR AND CLIMATE	1	0.7	6,562	21,722	*	0
0500 RECREATION RESOURCES	1	0.1	2,603	2,848	*	0
0600 TIMBER FORST PRODUCT	6	1.4	95,251	176,767	*	0
0700 RANGE	10	4.3	75,029	347,124	*	7,880
0800 WILDLIFE AND FISH	6	1.3	70,572	213,653	*	0
1000 FRUIT NUTS DECIDUCUS	2	0.6	14,606	39,144	*	0
1100 POTATOES	3	0.5	15,991	53,853	*	6,607
1200 VEGETABLES	1	0.7	12,862	76,705	*	0
1300 ORNAMENTALS TURF	2	0.4	33,481	69,959	*	0
1400 CORN	18	5.4	149,324	929,987	*	4,663
1500 GRAIN SORGHUM	2	0.2	5,902	39,480	*	0
1700 WHEAT	15	5.0	165,748	696,995	*	1,806
1800 OTHER SMALL GRAINS	10	2.0	61,858	599,397	*	0
1900 PASTURE	2	0.1	3,010	9,731	*	0
2000 FORAGE CROPS	15	3.1	99,322	445,724	*	1,806
2300 SOYBEANS	14	1.8	37,868	174,711	*	4,663
2500 OTHER OILSEED CROPS	3	1.7	45,175	179,851	*	41,334
2800 MISC NEW CROPS	2	1.0	18,409	92,881	*	0
2900 POULTRY	4	1.6	53,131	165,176	*	0
3000 BEEF CATTLE	19	4.9	223,999	1,524,042	*	54,641
3100 DAIRY CATTLE	14	4.8	241,075	633,079	*	18,678
3200 SWINE	14	5.4	291,187	905,718	*	63,129
3300 SHEEP AND WOOL	6	2.1	93,794	412,226	*	0
3400 OTHER ANIMALS	3	1.7	55,503	180,579	*	0
3600 FARM SUPP & FACILITS	1	0.2	3,153	21,187	*	0
3700 CLOTHING & TEXTILES	1	0.2	5,620	7,902	*	0
3800 FOOD	1	0.6	30,221	61,731	*	0
3900 HOUSING & EQUIP	2	0.7	22,095	30,566	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.0	34,064	127,988	*	0
4200 FARM AS BUSINESS	2	1.2	20,202	55,397	*	0
4300 SOC POLIT ORGANIZ	3	0.9	40,215	54,752	*	0
4400 AGRIC ECONOMY U S	1	0.1	6,631	6,631	*	0
6100 WEEDS	1	0.3	3,867	20,013	*	0
6600 MICROORGANISMS VIRUSES	2	1.4	40,949	100,351	*	0
6700 PLANTS	7	3.3	29,780	577,797	*	8,571
6800 ANIMALS(VERTEBRATES)	1	0.2	0	7,459	*	2,143
TOTAL		67.8	2,251,106	9,895,531	*	215,919

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- TENNESSEE KNOXVILLE SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	14	6.8	314,911	990,733	*	0
0200 WATER	9	2.5	113,496	247,127	*	0
0500 RECREATION RESOURCES	2	0.7	17,011	130,950	*	7,374
0600 TIMBER FORST PRODUCT	13	6.6	341,823	1,358,257	*	38,908
0700 RANGE	1	1.0	16,194	60,068	*	0
0800 WILDLIFE AND FISH	3	2.4	104,506	561,623	*	16,584
1000 FRUIT NUTS DECIDUOUS	13	5.0	177,693	831,054	*	6,590
1100 POTATOES	1	0.0	0	345	*	0
1200 VEGETABLES	18	8.4	269,613	1,282,693	*	3,588
1300 ORNAMENTALS TURF	15	6.7	287,435	1,072,850	*	1,823
1400 CORN	14	3.2	116,101	638,329	*	0
1500 GRAIN SORGHUM	7	0.9	38,085	178,827	*	0
1700 WHEAT	11	2.4	83,453	464,405	*	0
1800 OTHER SMALL GRAINS	2	0.6	15,691	143,778	*	0
1900 PASTURE	5	2.0	79,860	335,272	*	0
2000 FORAGE CROPS	15	6.0	267,307	1,393,029	*	33,007
2100 COTTON	13	4.4	152,504	794,487	*	0
2300 SOYBEANS	24	7.4	288,001	1,490,075	*	4,485
2600 TOBACCO	13	4.5	144,632	1,016,210	*	1,271
2800 MISC NEW CROPS	2	0.1	22,400	40,680	*	0
2900 POULTRY	3	3.7	116,863	313,419	*	0
3000 BEEF CATTLE	28	8.4	277,490	3,010,748	*	149,771
3100 DAIRY CATTLE	26	11.8	429,738	4,335,800	*	5,222
3200 SWINE	16	4.7	174,233	1,041,992	*	4,657
3300 SHEEP AND WOOL	4	0.9	15,327	160,299	*	0
3400 OTHER ANIMALS	4	1.0	34,600	127,825	*	0
3700 CLOTHING & TEXTILES	2	1.1	30,081	230,698	*	11,954
3800 FOOD	9	2.7	153,312	433,290	*	0
3900 HOUSING & EQUIP	3	1.1	79,518	195,794	*	0
4000 PEOPLE AS INDIVIDUALS	4	1.3	50,405	139,097	*	0
4200 FARM AS BUSINESS	5	2.6	95,922	225,538	*	0
4300 SOC POLIT ORGANIZ	4	2.3	67,341	205,161	*	0
6100 WEEDS	2	0.3	25,675	67,539	*	3,114
6400 EXP DESIGN/STAT METHOD	1	0.1	9,038	10,137	*	0
6600 MICROORGANISMS VIRUSES	1	0.1	4,421	22,787	*	0
6700 PLANTS	6	2.5	51,292	411,879	*	6,322
6800 ANIMALS(VERTEBRATES)	6	0.9	28,820	157,808	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.5	34,070	111,739	*	0
TOTAL		117.9	4,528,865	24,232,344	*	294,670

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- TEXAS COLLEGE STATION SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	37	11.9	232,336	2,859,525	*	180,985
0200 WATER	42	14.8	290,637	2,743,790	*	123,835
0300 WATERSHEDS RIVER BAS	6	1.4	4,991	330,660	*	30,755
0400 AIR AND CLIMATE	2	0.4	879	61,221	*	7,513
0500 RECREATION RESOURCES	11	2.2	9,140	267,685	*	28,511
0600 TIMBER FORST PRODUCT	23	6.4	242,830	3,817,966	*	771,338
0700 RANGE	34	13.8	486,379	3,354,681	*	267,305
0800 WILDLIFE AND FISH	37	7.6	82,966	2,714,173	*	233,865
0900 CITRUS SUB TROP FRUT	11	2.1	72,095	586,623	*	4,026
1000 FRUIT NUTS DECIDUOUS	24	7.2	337,748	1,448,923	*	24,025
1100 POTATOES	5	1.0	20,743	438,607	*	0
1200 VEGETABLES	43	14.3	415,579	3,140,453	*	42,952
1300 ORNAMENTALS TURF	21	12.2	289,588	2,238,581	*	21,625
1400 CORN	45	6.2	58,431	1,555,714	*	31,654
1500 GRAIN SORGHUM	62	16.5	119,752	3,650,343	*	82,682
1600 RICE	16	5.2	127,008	1,234,218	*	20,232
1700 WHEAT	44	9.6	179,811	1,862,897	*	95,424
1800 OTHER SMALL GRAINS	13	2.7	42,456	454,517	*	6,568
1900 PASTURE	9	2.5	75,539	612,746	*	2,325
2000 FORAGE CROPS	29	11.1	237,471	2,071,998	*	6,343
2100 COTTON	73	25.2	454,783	5,661,681	*	273,703
2200 COTTONSEED	3	0.2	477	79,373	*	0
2300 SOYBEANS	20	5.5	171,048	921,841	*	8,134
2400 PEANUTS	18	6.9	27,518	1,579,346	*	66,949
2500 OTHER OILSEED CROPS	4	0.2	13,879	104,042	*	0
2700 SUGAR CROPS	15	4.9	58,664	1,148,491	*	14,719
2800 MISC NEW CROPS	8	2.4	26,884	485,289	*	191,138
2900 POULTRY	21	7.6	174,215	2,274,943	*	62
3000 BEEF CATTLE	92	28.5	953,345	11,166,230	*	553,460
3100 DAIRY CATTLE	44	9.7	126,050	2,453,626	*	313,055
3200 SWINE	13	2.2	10,037	531,327	*	3,227
3300 SHEEP AND WOOL	27	4.9	104,194	1,225,321	*	85,610
3400 OTHER ANIMALS	35	6.1	148,730	2,493,575	*	127,546
3500 BEES AND HONEY	3	0.1	0	193,140	*	16,941
3600 FARM SUPP & FACILITS	1	0.1	9,231	34,040	*	0
3800 FOOD	5	1.2	2,819	250,950	*	83,705
3900 HOUSING & EQUIP	2	0.0	15,262	59,994	*	0
4000 PEOPLE AS INDIVIDUALS	12	3.7	66,580	554,647	*	43,477
4100 FAMILY MEMBERS	1	0.2	0	29,135	*	0
4200 FARM AS BUSINESS	7	4.7	50,208	747,300	*	0
4300 SOC POLIT ORGANIZ	6	3.1	24,121	800,110	*	1,600
4400 AGRIC ECONOMY U S	10	5.6	53,945	1,168,427	*	222,500
6100 WEEDS	1	0.1	2	14,697	*	1,720
6300 BIO CELL SYSTEMS	14	13.1	97,818	2,479,760	*	7,894
6400 EXP DESIGN/STAT METHOD	3	0.4	8,059	109,726	*	1,318
6500 INVERTEBRATES	6	1.9	13,676	875,550	*	324,194
6600 MICROORGANISMS VIRUSES	4	1.2	433	139,772	*	47,670
6700 PLANTS	5	1.5	31,038	417,758	*	162,300
6800 ANIMALS(VERTEBRATES)	6	0.3	8,687	187,101	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.8	285	65,048	*	0
TOTAL		291.7	5,977,368	73,697,563	*	4,532,935

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- UTAH LOGAN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED FED APPR/ CSFS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	15	3.2	156,599	566,543	*	19,711
0200 WATER	11	2.3	21,104	310,312	*	1,922
0300 WATERSHEDS RIVER BAS	1	0.6	14,946	29,511	*	0
0400 AIR AND CLIMATE	3	0.9	6,164	168,196	*	0
0500 RECREATION RESOURCES	2	0.3	17,624	31,823	*	74
0600 TIMBER FORST PRODUCT	12	2.1	97,227	324,632	*	136,892
0700 RANGE	19	4.2	74,766	948,443	*	64,570
0800 WILDLIFE AND FISH	2	0.6	7,785	61,859	*	0
1000 FRUIT NUTS DECIDUCUS	15	3.3	178,119	486,003	*	38,157
1200 VEGETABLES	2	0.3	0	25,311	*	0
1300 ORNAMENTALS TURF	4	0.4	27,686	162,486	*	12,231
1500 GRAIN SORGHUM	1	0.4	0	43,369	*	0
1700 WHEAT	10	3.0	72,398	622,653	*	61,415
1800 OTHER SMALL GRAINS	6	1.4	35,275	265,043	*	48,578
1900 PASTURE	2	0.3	0	51,867	*	23,582
2000 FORAGE CROPS	20	4.2	88,626	622,108	*	105,482
2900 POULTRY	8	4.2	68,422	687,832	*	0
3000 BEEF CATTLE	14	2.7	85,604	536,598	*	32,207
3100 DAIRY CATTLE	40	13.4	209,246	2,196,544	*	309,471
3300 SHEEP AND WOOL	10	3.2	106,903	1,110,450	*	206,572
3400 OTHER ANIMALS	5	1.6	10,778	352,842	*	0
3500 BEES AND HONEY	1	0.6	23,315	103,453	*	25,987
3800 FOOD	5	1.3	25,296	200,270	*	0
4000 PEOPLE AS INDIVIDUALS	13	2.8	158,100	519,562	*	0
4100 FAMILY MEMBERS	6	1.2	42,442	144,677	*	0
4200 FARM AS BUSINESS	3	0.4	0	79,920	*	0
4300 SOC POLIT ORGANIZ	5	1.1	0	121,735	*	0
4400 AGRIC ECONOMY U S	1	0.1	0	4,656	*	0
6100 WEEDS	1	0.4	4,502	65,009	*	0
6300 BIO CELL SYSTEMS	3	0.7	28,045	106,073	*	0
6500 INVERTEBRATES	1	0.1	0	6,501	*	0
6600 MICROORGANISMS VIRUSES	4	0.7	0	196,710	*	36,416
6700 PLANTS	24	6.1	83,956	956,081	*	9,820
6800 ANIMALS(VERTEBRATES)	10	6.5	27,577	1,823,598	*	1,006
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	7,587	16,696	*	0
TOTAL		75.0	1,674,092	13,949,366	*	1,134,093

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- VERMONT BURLINGTON SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	4	1.6	70,475	203,201	*	0
0500 RECREATION RESOURCES	1	0.2	6,896	27,938	*	0
0600 TIMBER FORST PRODUCT	5	2.7	32,885	573,499	*	166,575
1000 FRUIT NUTS DECIDUCUS	6	1.8	60,346	364,033	*	115,175
1100 POTATOES	1	0.6	23,870	129,453	*	0
1300 ORNAMENTALS TURF	3	1.0	15,941	254,317	*	0
1400 CORN	1	0.0	2,316	2,316	*	0
2000 FORAGE CROPS	2	0.5	14,433	111,184	*	36,116
2900 POULTRY	1	0.6	68,800	116,778	*	0
3000 BEEF CATTLE	1	0.1	4,629	24,488	*	78
3100 DAIRY CATTLE	11	4.3	346,304	993,676	*	10,946
3300 SHEEP AND WOOL	1	0.1	4,629	24,488	*	78
3400 OTHER ANIMALS	1	0.2	22,933	38,926	*	0
3700 CLOTHING & TEXTILES	2	0.3	16,254	29,842	*	0
3800 FOOD	3	1.0	91,378	282,365	*	0
3900 HOUSING & EQUIP	1	0.8	61,733	215,972	*	105,473
4000 PEOPLE AS INDIVIDUALS	2	0.4	56,386	91,510	*	0
4100 FAMILY MEMBERS	2	0.3	5,410	32,791	*	0
4300 SOC POLIT ORGANIZ	7	1.4	113,662	223,293	*	0
4400 AGRIC ECONOMY U S	1	0.4	25,727	114,942	*	0
4500 AGRIC ECONOMY FORGN	1	0.3	17,682	39,489	*	0
4800 MARKETING SYSTEMS	1	0.2	12,605	24,456	*	0
6100 WEEDS	1	0.2	0	13,344	*	13,344
6300 BIO CELL SYSTEMS	1	0.4	8,035	115,855	*	0
6600 MICROORGANISMS VIRUSES	2	0.3	31,462	172,418	*	11,103
6700 PLANTS	7	2.5	77,956	307,740	*	5,603
6800 ANIMALS(VERTEBRATES)	2	0.4	15,694	52,227	*	0
TOTAL		22.6	1,208,439	4,580,538	*	464,492

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- VIRGIN ISLANDS ST. THOMAS SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.0	4,379	4,379	*	0
0200 WATER	1	0.1	8,759	8,759	*	0
0700 RANGE	1	0.5	66,388	99,581	*	0
0800 WILDLIFE AND FISH	2	0.4	120,890	197,335	*	0
0900 CITRUS SUB TROP FRUT	6	1.2	168,953	262,903	*	17,140
1000 FRUIT NUTS DECIDUCUS	1	0.0	9,838	14,757	*	0
1200 VEGETABLES	7	1.6	170,879	298,863	*	48,209
1900 PASTURE	1	0.3	0	32,408	*	32,408
3300 SHEEP AND WOOL	4	1.2	136,913	259,487	*	78,643
TOTAL		5.4	686,999	1,178,473	*	176,400

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- VIRGINIA BLACKSBURG SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	15	12.8	133,342	2,329,434	*	57,319
0200 WATER	8	4.2	114,821	805,160	*	5,216
0300 WATERSHEDS RIVER BAS	1	3.0	0	665,514	*	906
0500 RECREATION RESOURCES	1	1.4	14,125	175,451	*	7,895
0600 TIMBER FOREST PRODUCT	43	14.5	506,351	4,383,322	*	649,869
0800 WILDLIFE AND FISH	15	12.9	108,952	3,424,436	*	54,239
0900 CITRUS SUB TROP FRUT	1	0.6	21,319	123,146	*	3,478
1000 FRUIT NUTS DECIDUCUS	20	6.5	165,035	1,478,155	*	15,218
1100 POTATOES	6	3.3	116,217	681,367	*	7,036
1200 VEGETABLES	8	3.3	81,656	568,051	*	25,124
1300 ORNAMENTALS TURF	10	8.6	94,914	1,663,421	*	7,977
1400 CORN	12	4.2	71,929	808,819	*	51,225
1500 GRAIN SORGHUM	1	0.3	24,769	63,095	*	3,254
1700 WHEAT	11	3.6	52,752	563,461	*	1,840
1800 OTHER SMALL GRAINS	1	0.7	7,986	129,226	*	95
2000 FORAGE CROPS	9	2.8	59,910	617,280	*	46,592
2100 COTTON	3	0.4	5,249	40,464	*	7,180
2300 SOYBEANS	21	9.8	258,020	1,675,654	*	122,840
2400 PEANUTS	4	4.1	22,904	452,225	*	8,297
2600 TOBACCO	5	3.1	18,230	809,767	*	1,925
2700 SUGAR CROPS	1	0.2	8,155	67,250	*	290
2800 MISC NEW CROPS	4	1.3	39,032	193,272	*	80
2900 POULTRY	23	7.4	289,054	1,705,027	*	106,702
3000 BEEF CATTLE	35	11.8	213,607	3,645,023	*	203,355
3100 DAIRY CATTLE	28	9.7	306,998	2,513,113	*	30,069
3200 SWINE	23	9.5	189,341	2,094,682	*	107,375
3300 SHEEP AND WOOL	14	4.3	111,439	1,052,892	*	8,276
3400 OTHER ANIMALS	7	1.3	37,817	430,261	*	25,940
3600 FARM SUPP & FACILITS	3	0.3	10,402	72,962	*	459
3700 CLOTHING & TEXTILES	2	0.0	33,099	81,420	*	574
3800 FOOD	1	0.0	22,663	79,569	*	58
3900 HOUSING & EQUIP	5	2.2	109,642	438,180	*	40,311
4000 PEOPLE AS INDIVIDUALS	6	0.7	56,124	267,964	*	197
4100 FAMILY MEMBERS	5	0.3	16,405	168,298	*	124
4200 FARM AS BUSINESS	3	2.3	11,244	343,586	*	12,309
4300 SOC POLIT ORGANIZ	6	1.3	74,145	252,592	*	23,384
4400 AGRIC ECONOMY U S	2	1.2	15,239	108,090	*	1,741
4500 AGRIC ECONOMY FORGN	1	0.0	0	2,520	*	2
4700 OTH MARKET PROCESS	1	0.4	0	16,393	*	13
6100 WEEDS	5	0.2	19,895	101,485	*	9,113
6300 BIO CELL SYSTEMS	4	2.1	47,075	627,355	*	459
6500 INVERTEBRATES	6	1.6	107,844	703,498	*	43,855
6600 MICROORGANISMS VIRUSES	17	10.0	288,963	3,496,637	*	140,478
6700 PLANTS	15	2.5	107,961	659,821	*	46,111
6800 ANIMALS (VERTEBRATES)	5	1.1	74,973	392,301	*	1,211
6900 RESEARCH ON RSCH MGMT	3	1.7	50,144	213,004	*	4,012
7000 RSCH EQUIP & TECHNOLOGY	5	1.1	21,630	232,139	*	4,652
TOTAL		174.6	4,135,369	41,416,783	*	1,888,676

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- WASHINGTON PULLMAN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	25	5.9	193,413	1,215,815	*	80,638
0200 WATER	12	2.2	131,440	508,210	*	65,967
0300 WATERSHEDS RIVER BAS	3	0.5	18,634	76,316	*	16,975
0500 RECREATION RESOURCES	4	0.3	9,743	68,617	*	0
0600 TIMBER FORST PRODUCT	17	4.4	266,211	869,639	*	29,187
0700 RANGE	8	1.5	16,232	258,531	*	0
0800 WILDLIFE AND FISH	5	4.1	10,188	588,787	*	56,184
1000 FRUIT NUTS DECIDUOUS	61	22.2	1,010,481	5,536,059	*	153,873
1100 POTATOES	25	5.2	49,797	1,499,420	*	425,575
1200 VEGETABLES	38	7.6	345,391	2,661,210	*	153,724
1300 ORNAMENTALS TURF	8	2.4	34,172	568,676	*	385
1400 CORN	6	0.4	16,076	80,229	*	2,880
1600 RICE	1	0.3	2,170	225,787	*	11,442
1700 WHEAT	37	9.2	111,731	2,774,310	*	560,762
1800 OTHER SMALL GRAINS	15	2.0	46,909	630,074	*	71,614
1900 PASTURE	2	0.0	2,580	11,034	*	0
2000 FORAGE CROPS	17	2.3	247,805	696,065	*	39,519
2100 COTTON	1	0.1	21	4,876	*	0
2500 OTHER OILSEED CROPS	3	1.0	48,356	262,614	*	194
2600 TOBACCO	1	0.1	2,130	81,592	*	0
2800 MISC NEW CROPS	14	3.9	108,132	1,173,263	*	120,263
2900 POULTRY	4	2.4	109,043	691,785	*	0
3000 BEEF CATTLE	22	3.4	109,247	1,112,794	*	89,306
3100 DAIRY CATTLE	27	7.1	171,503	1,648,555	*	13,449
3200 SWINE	5	0.6	16,862	194,220	*	0
3300 SHEEP AND WOOL	6	1.0	13,040	142,149	*	0
3400 OTHER ANIMALS	9	0.9	21,752	167,349	*	0
3500 BEES AND HONEY	2	0.3	149	67,243	*	2,922
3700 CLOTHING & TEXTILES	2	0.3	274	19,946	*	0
3800 FOOD	7	1.3	40,977	220,773	*	21,130
3900 HOUSING & EQUIP	3	1.4	5,692	234,472	*	0
4000 PEOPLE AS INDIVIDUALS	12	2.8	31,628	308,442	*	0
4100 FAMILY MEMBERS	6	1.4	11,158	211,796	*	0
4200 FARM AS BUSINESS	2	1.2	8,577	152,094	*	22,986
4300 SOC POLIT ORGANIZ	7	2.0	29,020	297,810	*	12,500
4400 AGRIC ECONOMY U S	1	0.3	439	25,662	*	0
4600 FARM COOPERATIVES	1	0.2	171	15,814	*	0
4800 MARKETING SYSTEMS	1	0.1	22	43,161	*	23,226
6100 WEEDS	5	0.4	10,994	71,333	*	0
6200 SEED RESEARCH	5	1.0	24,275	230,653	*	48,959
6300 BIO CELL SYSTEMS	2	0.6	9,504	379,287	*	2,130
6400 EXP DESIGN/STAT METHOD	2	0.4	5,416	95,631	*	0
6500 INVERTEBRATES	6	1.9	8,671	385,031	*	0
6600 MICROORGANISMS VIRUSES	8	1.1	70,183	317,037	*	8,180
6700 PLANTS	9	6.3	37,739	1,679,919	*	92,192
7000 RSCH EQUIP & TECHNOLOGY	1	0.3	0	61,435	*	0
TOTAL		114.4	3,407,949	28,565,515	*	2,126,162

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- WEST VIRGINIA MORGANTOWN SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	8	4.1	298,813	674,963	*	0
0200 WATER	3	1.4	108,014	250,517	*	0
0300 WATERSHEDS RIVER BAS	2	0.2	2,507	6,964	*	3,424
0500 RECREATION RESOURCES	3	2.6	42,496	365,771	*	65,203
0600 TIMBER FORST PRODUCT	18	8.3	457,570	1,234,719	*	158,068
0800 WILDLIFE AND FISH	6	2.0	84,669	388,630	*	71,080
1000 FRUIT NUTS DECIDUOUS	13	5.8	357,083	729,161	*	0
1100 POTATOES	3	1.0	73,564	123,043	*	0
1200 VEGETABLES	4	0.9	32,322	82,082	*	0
1300 ORNAMENTALS TURF	4	0.4	28,673	65,968	*	0
1400 CORN	2	0.3	13,526	33,467	*	0
1700 WHEAT	1	0.1	0	6,278	*	0
1800 OTHER SMALL GRAINS	1	0.1	0	6,278	*	0
1900 PASTURE	3	1.5	88,581	218,439	*	13,942
2000 FORAGE CROPS	8	1.3	114,993	209,756	*	9,998
2900 POULTRY	8	2.6	107,659	357,812	*	0
3000 BEEF CATTLE	8	2.6	282,524	776,655	*	46,795
3100 DAIRY CATTLE	5	1.1	223,147	508,725	*	0
3200 SWINE	1	0.0	0	15,715	*	15,715
3300 SHEEP AND WOOL	6	0.7	94,625	250,966	*	11,426
3400 OTHER ANIMALS	1	0.1	11,082	21,967	*	0
3800 FOOD	1	0.0	1,638	1,969	*	0
3900 HOUSING & EQUIP	1	0.1	6,897	17,866	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.0	4,210	6,368	*	0
4100 FAMILY MEMBERS	1	0.1	5,974	9,783	*	0
4300 SOC POLIT ORGANIZ	2	0.9	53,768	92,557	*	0
6300 BIO CELL SYSTEMS	1	0.3	0	41,885	*	0
6700 PLANTS	4	1.2	70,226	139,977	*	4,606
6800 ANIMALS(VERTEBRATES)	2	0.1	4,210	13,158	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.2	17,381	37,806	*	0
TOTAL		40.1	2,586,151	6,689,246	*	400,256

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- WISCONSIN MADISON SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	44	8.6	361,313	1,799,669	*	2,371
0200 WATER	13	3.8	59,624	568,080	*	17,451
0300 WATERSHEDS RIVER BAS	1	0.4	0	81,558	*	0
0400 AIR AND CLIMATE	1	0.1	1,094	8,586	*	0
0500 RECREATION RESOURCES	3	1.1	24,794	183,600	*	0
0600 TIMBER FORST PRODUCT	36	9.8	470,139	2,020,815	*	187,176
0700 RANGE	2	0.4	33,016	94,770	*	0
0800 WILDLIFE AND FISH	14	3.6	55,172	1,299,609	*	54,411
1000 FRUIT NUTS DECIDUOUS	12	3.0	89,426	708,423	*	0
1100 POTATOES	24	4.9	257,072	1,334,595	*	172,681
1200 VEGETABLES	26	6.2	207,316	1,378,908	*	15,132
1300 ORNAMENTALS TURF	4	0.8	7,590	105,640	*	0
1400 CORN	19	4.4	125,816	1,163,569	*	5,987
1600 RICE	1	0.4	17,478	62,881	*	0
1700 WHEAT	3	0.3	2,711	63,670	*	0
1800 OTHER SMALL GRAINS	8	1.5	36,536	511,241	*	0
2000 FORAGE CROPS	22	5.5	176,848	1,470,688	*	35,257
2300 SOYBEANS	12	2.9	94,885	607,649	*	61,767
2600 TOBACCO	1	0.1	0	16,356	*	0
2800 MISC NEW CROPS	2	0.3	0	94,402	*	0
2900 POULTRY	11	3.3	153,523	871,842	*	74,321
3000 BEEF CATTLE	23	4.8	143,723	1,689,158	*	304,706
3100 DAIRY CATTLE	73	18.2	662,094	7,570,485	*	354,169
3200 SWINE	20	4.6	171,817	1,261,556	*	198,144
3300 SHEEP AND WOOL	9	1.7	62,507	433,890	*	73,063
3400 OTHER ANIMALS	7	1.7	38,669	820,349	*	0
3500 BEES AND HONEY	2	0.7	45,309	130,686	*	0
3600 FARM SUPP & FACILITS	1	0.2	0	53,515	*	0
3700 CLOTHING & TEXTILES	1	0.1	19,622	19,622	*	0
3800 FOOD	24	9.6	157,193	3,167,695	*	0
3900 HOUSING & EQUIP	3	0.9	25,357	133,493	*	0
4000 PEOPLE AS INDIVIDUALS	23	8.2	180,886	1,807,026	*	0
4100 FAMILY MEMBERS	5	0.7	65,590	92,899	*	0
4200 FARM AS BUSINESS	9	2.5	119,717	368,330	*	0
4300 SOC POLIT ORGANIZ	15	4.9	110,078	2,875,521	*	151,284
4400 AGRIC ECONOMY U S	8	2.2	24,975	298,907	*	61,537
4500 AGRIC ECONOMY FORGN	1	0.3	0	68,916	*	0
4600 FARM COOPERATIVES	3	0.7	26,413	170,319	*	0
4800 MARKETING SYSTEMS	7	0.5	10,551	90,890	*	15,384
6100 WEEDS	4	0.9	50,022	387,754	*	0
6200 SEED RESEARCH	1	0.8	27,423	198,620	*	0
6300 BIO CELL SYSTEMS	29	10.8	54,150	5,151,514	*	68,193
6400 EXP DESIGN/STAT METHOD	5	1.2	48,187	317,488	*	0
6500 INVERTEBRATES	19	5.9	185,571	1,226,404	*	157,668
6600 MICROORGANISMS VIRUSES	34	12.9	183,885	4,096,577	*	254,794
6700 PLANTS	36	8.5	135,339	2,017,251	*	485,430
6800 ANIMALS(VERTEBRATES)	26	5.5	107,242	2,359,840	*	229,205
6900 RESEARCH ON RSCH MGMT	1	0.3	9,071	33,667	*	0
7000 RSCH EQUIP & TECHNOLOGY	4	2.1	15,675	1,778,066	*	0
TOTAL		173.2	4,855,417	53,066,987	*	2,980,129

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- WYOMING LARAMIE SAES

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	4	1.7	41,048	200,991	*	0
0200 WATER	7	2.3	115,476	648,692	*	0
0300 WATERSHEDS RIVER BAS	1	0.2	0	23,185	*	0
0400 AIR AND CLIMATE	1	0.2	16,114	27,996	*	0
0600 TIMBER FORST PRODUCT	3	1.1	14,202	167,975	*	0
0700 RANGE	12	5.7	242,980	1,707,153	*	33,839
0800 WILDLIFE AND FISH	2	0.1	10,136	19,046	*	0
1200 VEGETABLES	5	1.7	38,458	269,448	*	0
1400 CORN	3	0.3	0	53,741	*	0
1700 WHEAT	3	0.8	20,148	123,414	*	0
1800 OTHER SMALL GRAINS	4	0.7	15,652	121,982	*	0
1900 PASTURE	2	0.3	20,998	248,132	*	0
2000 FORAGE CROPS	12	4.5	133,929	567,579	*	77,910
2300 SOYBEANS	1	0.9	18,944	57,851	*	0
2500 OTHER OILSEED CROPS	1	0.3	0	78,342	*	0
2700 SUGAR CROPS	3	0.7	0	137,099	*	0
3000 BEEF CATTLE	19	9.5	446,404	1,697,677	*	59,214
3100 DAIRY CATTLE	3	0.8	15,275	70,160	*	0
3200 SWINE	1	0.1	4,825	8,416	*	0
3300 SHEEP AND WOOL	11	5.1	184,443	767,918	*	77,729
3400 OTHER ANIMALS	2	0.3	14,475	170,514	*	0
3800 FOOD	1	0.4	6,402	29,669	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.6	6,402	35,153	*	0
4100 FAMILY MEMBERS	2	1.4	5,307	51,659	*	0
4300 SOC POLIT ORGANIZ	4	1.0	32,445	116,368	*	0
4400 AGRIC ECONOMY U S	2	1.2	15,755	91,103	*	0
4700 OTH MARKET PROCESS	1	0.3	0	13,057	*	0
6200 SEED RESEARCH	1	0.6	27,746	73,445	*	0
6600 MICROORGANISMS VIRUSES	2	0.3	11,579	86,609	*	61,973
6700 PLANTS	4	1.2	37,387	130,102	*	4,238
6800 ANIMALS(VERTEBRATES)	3	0.4	13,170	73,339	*	1,413
6900 RESEARCH ON RSCH MGMT	1	0.3	16,300	38,055	*	0
TOTAL		45.4	1,525,998	7,905,873	*	316,316
GRAND TOTAL		6875.9	164,893,809	1,489,660,606	*	94,878,977

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL FORESTRY SCHOOLS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	48	11.9	171,145	2,207,591	*	142,647
0200 WATER	27	15.9	64,957	2,658,149	*	119,757
0300 WATERSHEDS RIVER BAS	24	7.8	79,490	1,564,770	*	27,047
0400 AIR AND CLIMATE	11	5.4	14,777	1,301,653	*	86,536
0500 RECREATION RESOURCES	36	6.5	117,032	1,162,899	*	225,776
0600 TIMBER FORST PRODUCT	417	163.8	2,690,694	31,834,731	*	3,875,787
0700 RANGE	10	3.6	18,719	423,211	*	28,346
0800 WILDLIFE AND FISH	88	14.1	408,711	2,701,289	*	184,872
1000 FRUIT NUTS DECIDUOUS	2	0.2	2,553	23,941	*	0
1300 ORNAMENTALS TURF	1	0.0	0	1,442	*	0
2000 FORAGE CROPS	2	0.0	0	26,057	*	5,204
2800 MISC NEW CROPS	1	0.2	0	14,203	*	0
3900 HOUSING & EQUIP	2	0.4	0	76,554	*	0
4000 PEOPLE AS INDIVIDUALS	5	0.5	24,697	123,263	*	4,993
4300 SOC POLIT ORGANIZ	5	1.3	64,788	231,029	*	0
6100 WEEDS	1	0.0	0	23,560	*	23,560
6300 BIO CELL SYSTEMS	2	2.5	0	203,226	*	0
6400 EXP DESIGN/STAT METHOD	2	0.2	28,493	124,787	*	3,704
6500 INVERTEBRATES	5	0.6	8,562	116,355	*	25,614
6600 MICROORGANISMS VIRUSES	16	1.8	23,372	522,463	*	37,972
6700 PLANTS	8	4.2	0	380,851	*	67,848
6800 ANIMALS (VERTEBRATES)	2	0.7	0	62,287	*	0
6900 RESEARCH ON RSCH MGMT	2	2.0	165,063	218,363	*	0
7000 RSCH EQUIP & TECHNOLOGY	17	4.0	42,803	732,465	*	48,591
TOTAL		247.6	3,925,854	46,735,139	*	4,908,257

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL FORESTRY SCHOOLS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSPS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
101 APPRAIS OF SOIL RESOR	12	2.5	69,552	349,249	*	29,237
102 SOIL PLNT WTR NUTRI	37	9.1	203,796	2,163,178	*	175,562
103 MGMT OF SALINE SOILS	1	0.2	35,028	55,921	*	0
104 ALTERN USE OF LAND	3	0.2	29,145	68,308	*	0
105 CONSERV USE OF WATER	2	2.6	0	341,246	*	0
107 WATERSHED PROT & MGMT	19	6.8	100,133	967,188	*	117,552
108 ECON LEG PROB OF WAT	1	1.7	0	273,968	*	0
109 WEATHER ADAPT & MOD	10	2.5	57,447	297,655	*	0
110 APPRAIS FORST & RANGS	46	6.9	341,526	1,417,099	*	122,884
111 BIOL CULT MGMT FORSTS	116	50.6	443,965	9,472,365	*	878,636
112 IMPROV RANGE RESOR	6	3.3	15,252	374,605	*	13,463
113 REMOTE SENSING	16	2.3	141,715	528,525	*	172,650
114 RSCH ON MGMT OF RSCH	2	2.0	165,063	218,363	*	0
SUBTOTAL		99.7	1,602,623	16,527,670	*	1,509,984
SERIES 200						
201 CNTRL FORST INSECTS	25	4.1	128,118	820,297	*	144,665
202 CONTROL FOREST DIS	32	4.9	241,119	946,624	*	151,388
203 FOREST FIRE PROTECT	9	1.5	600	163,929	*	64,122
209 CNTR WEEDS FLD CROPS	2	0.0	0	28,853	*	26,906
214 PROTECT FROM POLLUTION	19	5.1	72,264	1,543,141	*	396,744
SUBTOTAL		15.5	442,101	3,502,844	*	783,826
SERIES 300						
301 GENET BREED FORST TRE	28	17.3	272,637	3,865,909	*	184,846
302 IMP FOREST ENG SYS	15	5.5	65,037	1,006,344	*	208,877
303 ECON TIMBER PRODUCTN	15	4.3	91,806	822,719	*	225,832
304 IMP BIO EFF FRT & VEGS	1	0.1	0	15,326	*	0
307 IMP BIO EFF FLD CRP	1	0.2	0	14,203	*	0
318 NON COM BIO TECH/ELMET	15	8.3	60,252	1,054,735	*	138,227
SUBTOTAL		35.8	489,732	6,779,236	*	757,782
SERIES 400						
401 NEW IMP FOREST PROD	86	49.3	369,480	8,228,207	*	859,984
407 NEW IMP NON FOOD FC	1	0.0	0	20,853	*	0
411 IMP NON FOOD ANML PR	1	0.5	31,342	31,342	*	0
SUBTOTAL		49.8	400,822	8,280,402	*	859,984
SERIES 500						
502 MKTG TIMBER PRODUCTS	8	4.0	178,115	626,420	*	284,813
512 IMP GRADES FRST PROD	1	0.3	0	71,438	*	31,919
513 PRICE ANAL FRST PROD	6	1.1	55,904	105,399	*	10,540
SUBTOTAL		5.4	234,019	803,257	*	327,272
SERIES 600						
601 FGN MKT DEVELP	3	1.0	0	785,731	*	76,005
603 TECH AID DEV CRTY	1	0.3	0	33,220	*	0
SUBTOTAL		1.2	0	818,951	*	76,005
SERIES 700						
702 FOOD PROT FROM TOX	1	0.0	0	3,733	*	0
707 TRANS ANIML MAN DIS	1	0.0	0	22,202	*	0
708 HUMAN NUTRITION	1	0.0	3,263	5,091	*	1,239
SUBTOTAL		0.1	3,263	31,026	*	1,239
SERIES 800						
804 ECON POTENT RURL PEO	1	0.2	9,455	32,655	*	0
805 COMMUNICAT EDUC PROC	3	0.9	49,393	153,892	*	4,993
806 ADJUSTMENT TO CHANGE	1	0.0	0	1,830	*	0
SUBTOTAL		1.1	58,848	188,377	*	4,993
SERIES 900						
901 ALLEV POLLUTION	30	24.3	14,051	5,342,898	*	146,266
902 OUTDOOR RECREATION	31	5.7	108,781	1,067,146	*	183,328
903 MULTI USE FOREST POTEN	20	4.0	154,395	773,950	*	77,928
904 WLDLFE AND FISH ECOL	82	13.6	386,190	2,493,040	*	175,270
905 TREES BEAUTIFICATION	2	0.1	392	14,407	*	4,379
906 ORNAMENT & TURF DEV	1	0.0	0	1,442	*	0
907 RURAL INCOME IMP	2	0.3	20,636	59,792	*	0
908 RURAL INSTITUT IMP	1	0.1	10,000	50,701	*	0
SUBTOTAL		48.0	694,446	9,803,377	*	587,170
SCIENCE IN SERV OF MAN						
GRAND TOTAL		247.6	3,925,854	46,735,139	*	4,908,257

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH ANN ARBOR F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	2	0.4	0	16,650	*	0
0300 WATERSHEDS RIVER BAS	1	0.0	3,467	9,451	*	0
0400 AIR AND CLIMATE	1	0.0	0	9,064	*	0
0500 RECREATION RESOURCES	4	0.3	13,239	48,868	*	0
0600 TIMBER FORST PRODUCT	22	3.2	144,896	1,163,882	*	397,400
0700 RANGE	1	0.0	3,467	9,451	*	0
0800 WILDLIFE AND FISH	4	0.2	13,816	33,392	*	0
1300 ORNAMENTALS TURF	1	0.0	0	1,442	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.0	0	1,830	*	0
TOTAL		4.2	178,886	1,294,030	*	397,400

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH ARCATA F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0200 WATER	3	0.0	7,751	17,383	*	0
0300 WATERSHEDS RIVER BAS	2	0.0	4,753	11,388	*	0
0600 TIMBER FORST PRODUCT	6	0.0	32,831	124,299	*	0
0800 WILDLIFE AND FISH	4	0.0	41,825	132,111	*	0
TOTAL		0.0	87,160	285,182	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH BURLINGTON F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	2	0.0	11,062	14,698	*	268
0300 WATERSHEDS RIVER BAS	1	0.0	5,244	7,123	*	0
0500 RECREATION RESOURCES	1	0.5	0	49,848	*	0
0600 TIMBER FORST PRODUCT	10	1.9	84,151	463,133	*	152,431
0800 WILDLIFE AND FISH	2	0.2	34,981	47,167	*	8,261
6400 EXP DESIGN/STAT METHOD	1	0.1	28,493	36,406	*	1,877
6600 MICROORGANISMS VIRUSES	2	0.4	2,118	77,799	*	23,646
6900 RESEARCH ON RSCH MGMT	1	0.9	98,331	98,331	*	0
TOTAL		4.0	264,380	794,506	*	186,483

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH CARBONDALE F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	2	0.1	0	27,120	*	0
0400 AIR AND CLIMATE	1	0.0	14,777	20,227	*	0
0500 RECREATION RESOURCES	1	0.2	22,455	39,955	*	0
0600 TIMBER FORST PRODUCT	10	4.1	85,123	513,956	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.1	2,553	8,615	*	0
TOTAL		4.5	124,908	609,872	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH CLEMSON F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	3	0.3	21,640	32,392	*	0
0200 WATER	1	0.8	0	128,664	*	0
0300 WATERSHEDS RIVER BAS	2	0.7	0	102,877	*	0
0500 RECREATION RESOURCES	1	0.5	0	66,903	*	0
0600 TIMBER FORST PRODUCT	32	7.8	317,750	1,088,448	*	0
0800 WILDLIFE AND FISH	7	1.3	60,815	179,112	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.2	24,697	24,697	*	0
4300 SOC POLIT ORGANIZ	1	0.2	24,697	24,697	*	0
TOTAL		11.8	449,597	1,647,788	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH CORVALLIS F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	8	2.8	9,076	444,294	*	106,151
0200 WATER	5	8.2	0	994,278	*	119,757
0300 WATERSHEDS RIVER BAS	5	1.6	31,178	321,235	*	6,057
0400 AIR AND CLIMATE	1	0.2	0	70,603	*	70,603
0500 RECREATION RESOURCES	10	1.8	5,200	425,044	*	168,778
0600 TIMBER FORST PRODUCT	60	37.9	546,674	6,827,817	*	2,073,600
0800 WILDLIFE AND FISH	4	1.4	0	161,985	*	99,383
2000 FORAGE CROPS	2	0.0	0	26,057	*	5,204
4000 PEOPLE AS INDIVIDUALS	1	0.0	0	3,256	*	0
4300 SOC POLIT ORGANIZ	1	0.1	10,000	50,701	*	0
6100 WEEDS	1	0.0	0	23,560	*	23,560
6600 MICROORGANISMS VIRUSES	3	0.2	0	46,227	*	12,498
7000 RSCH EQUIP & TECHNOLOGY	4	0.1	0	34,457	*	33,334
TOTAL		54.2	602,129	9,429,514	*	2,718,926

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH FLAGSTAFF F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.1	22,153	57,232	*	0
0500 RECREATION RESOURCES	2	0.3	13,743	35,906	*	317
0600 TIMBER FORST PRODUCT	20	3.5	96,173	520,128	*	59,770
0800 WILDLIFE AND FISH	3	0.0	0	15,357	*	3,219
TOTAL		3.9	132,069	628,623	*	63,306

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH HOUGHTON F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.3	0	71,283	*	0
0400 AIR AND CLIMATE	1	0.0	0	150,992	*	0
0600 TIMBER FORST PRODUCT	26	11.9	181,689	1,862,112	*	87,513
0800 WILDLIFE AND FISH	1	0.3	0	190,948	*	0
TOTAL		12.5	181,689	2,275,335	*	87,513

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH MISSOULA F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0200 WATER	1	0.9	0	88,866	*	0
0300 WATERSHEDS RIVER BAS	3	0.3	24,608	43,940	*	474
0500 RECREATION RESOURCES	6	3.8	24,379	158,952	*	36,566
0600 TIMBER FORST PRODUCT	33	7.9	245,778	1,027,514	*	81,026
0700 RANGE	2	2.7	0	283,857	*	0
0800 WILDLIFE AND FISH	9	1.4	94,567	263,971	*	16,241
1000 FRUIT NUTS DECIDUOUS	1	0.1	0	15,326	*	0
TOTAL		14.1	389,332	1,882,425	*	134,407

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH MOSCOW F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.5	19,775	63,675	*	0
0200 WATER	4	0.6	44,136	151,236	*	0
0500 RECREATION RESOURCES	3	1.5	38,016	260,729	*	0
0600 TIMBER FORST PRODUCT	23	12.1	124,836	1,997,588	*	8,100
0700 RANGE	5	0.6	15,252	113,301	*	16,809
0800 WILDLIFE AND FISH	26	3.7	52,631	738,570	*	42,924
4300 SOC POLIT ORGANIZ	2	0.5	30,091	89,191	*	0
6900 RESEARCH ON RSCH MGMT	1	1.1	66,732	120,032	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.2	19,234	50,834	*	0
TOTAL		20.9	410,703	3,585,156	*	67,833

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH NACOGDOCHES F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.1	11,559	18,454	*	0
0200 WATER	1	0.1	11,910	19,013	*	0
0300 WATERSHEDS RIVER BAS	1	0.2	10,239	30,204	*	0
0600 TIMBER FORST PRODUCT	15	3.0	146,878	768,769	*	13,427
0800 WILDLIFE AND FISH	3	0.5	38,765	147,882	*	12,962
TOTAL		3.8	219,351	984,322	*	26,389

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH RUSTON F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	2	0.2	12,298	29,904	*	0
0600 TIMBER FORST PRODUCT	13	2.5	136,539	334,961	*	0
TOTAL		2.8	148,836	364,864	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH S L OBISPO F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0600 TIMBER FORST PRODUCT	1	0.2	24,866	81,041	*	0
TOTAL		0.2	24,866	81,041	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH SEATTLE F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	15	2.1	60,476	295,495	*	36,228
0200 WATER	2	0.4	0	76,450	*	0
0300 WATERSHEDS RIVER BAS	2	0.2	0	21,756	*	20,516
0400 AIR AND CLIMATE	4	1.3	0	139,275	*	15,933
0500 RECREATION RESOURCES	5	0.7	0	68,286	*	16,205
0600 TIMBER FORST PRODUCT	59	14.1	172,650	4,304,792	*	662,268
0700 RANGE	1	0.1	0	6,878	*	6,486
0800 WILDLIFE AND FISH	7	3.1	68,482	266,686	*	0
6600 MICROORGANISMS VIRUSES	1	0.0	0	58,582	*	0
6700 PLANTS	4	1.0	0	115,213	*	31,904
7000 RSCH EQUIP & TECHNOLOGY	2	0.7	23,569	55,798	*	0
TOTAL		23.8	325,177	5,409,212	*	789,541

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FORESTRY SCH SYRACUSE F S

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	10	4.9	3,106	1,136,395	*	0
0200 WATER	10	4.9	1,160	1,182,259	*	0
0300 WATERSHEDS RIVER EAS	7	4.8	0	1,016,797	*	0
0400 AIR AND CLIMATE	3	3.9	0	911,492	*	0
0500 RECREATION RESOURCES	3	0.0	0	8,409	*	3,811
0600 TIMBER FORST PRODUCT	87	53.7	349,861	10,756,291	*	340,252
0700 RANGE	1	0.0	0	9,724	*	5,051
0800 WILDLIFE AND FISH	18	1.9	2,828	524,107	*	1,882
2800 MISC NEW CROPS	1	0.2	0	14,203	*	0
3900 HOUSING & EQUIP	2	0.4	0	76,554	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.3	0	93,481	*	4,993
4300 SOC POLIT ORGANIZ	1	0.5	0	66,440	*	0
6300 BIO CELL SYSTEMS	2	2.5	0	203,226	*	0
6400 EXP DESIGN/STAT METHOD	1	0.1	0	88,381	*	1,828
6500 INVERTEBRATES	5	0.6	8,562	116,355	*	25,614
6600 MICROORGANISMS VIRUSES	10	1.3	21,254	339,854	*	1,828
6700 PLANTS	4	3.1	0	265,638	*	35,944
6800 ANIMALS (VERTEBRATES)	2	0.7	0	62,287	*	0
7000 RSCH EQUIP & TECHNOLOGY	10	3.0	0	591,376	*	15,257
TOTAL		86.9	386,771	17,463,269	*	436,459
GRAND TOTAL		247.6	3,925,854	46,735,139	*	4,908,257

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	9	4.0	564,493	576,578	*	0
0200 WATER	2	0.6	198,002	200,579	*	0
0300 WATERSHEDS RIVER BAS	2	2.0	176,045	176,045	*	0
0400 AIR AND CLIMATE	2	0.3	100,828	100,828	*	0
0600 TIMBER FORST PRODUCT	4	2.1	353,593	372,255	*	0
0700 RANGE	1	1.2	111,786	113,838	*	0
0800 WILDLIFE AND FISH	16	12.2	1,450,560	1,570,522	*	82,530
0900 CITRUS SUB TROP FRUT	2	0.3	53,092	53,543	*	0
1000 FRUIT NUTS DECIDUCUS	6	4.0	511,397	516,868	*	0
1100 POTATOES	1	0.5	56,369	60,655	*	0
1200 VEGETABLES	24	21.4	2,448,972	2,479,972	*	0
1300 ORNAMENTALS TURF	2	1.4	199,631	199,631	*	0
1400 CORN	3	2.1	324,293	326,381	*	0
1500 GRAIN SORGHUM	2	0.3	42,909	42,909	*	0
1700 WHEAT	4	0.6	89,954	92,550	*	0
1800 OTHER SMALL GRAINS	2	0.5	103,591	115,061	*	0
1900 PASTURE	1	0.4	68,319	68,319	*	0
2000 FORAGE CROPS	8	3.0	446,165	479,782	*	0
2300 SOYBEANS	21	16.8	2,148,683	2,259,689	*	20,000
2400 PEANUTS	3	2.8	103,106	219,201	*	0
2500 OTHER OILSEED CROPS	2	1.3	147,043	147,450	*	0
2800 MISC NEW CROPS	1	0.6	68,773	68,977	*	0
2900 POULTRY	7	2.7	613,527	681,752	*	48,650
3000 BEEF CATTLE	8	3.1	623,718	733,255	*	0
3100 DAIRY CATTLE	5	1.9	253,750	315,766	*	0
3200 SWINE	8	6.1	969,849	1,065,542	*	0
3300 SHEEP AND WOOL	1	1.4	112,243	174,148	*	0
3400 OTHER ANIMALS	19	23.1	3,499,052	3,585,239	*	61,498
3700 CLOTHING & TEXTILES	13	4.1	489,002	491,179	*	0
3800 FOOD	14	5.8	743,385	746,154	*	0
3900 HOUSING & EQUIP	8	2.1	280,146	281,761	*	0
4000 PEOPLE AS INDIVIDUALS	29	15.3	2,013,893	2,051,932	*	0
4100 FAMILY MEMBERS	12	4.9	533,478	536,791	*	0
4200 FARM AS BUSINESS	8	3.4	450,163	464,232	*	0
4300 SOC POLIT ORGANIZ	18	9.4	1,122,850	1,164,764	*	0
4400 AGRIC ECONOMY U S	2	0.5	51,937	55,916	*	0
4700 OTH MARKET PROCESS	2	0.8	103,268	103,935	*	0
4800 MARKETING SYSTEMS	5	1.8	302,902	312,387	*	0
6100 WEEDS	1	0.1	35,948	35,948	*	0
6300 BIO CELL SYSTEMS	2	0.8	156,196	165,156	*	0
6500 INVERTEBRATES	1	1.0	58,614	58,614	*	0
6700 PLANTS	1	0.2	44,471	44,471	*	0
6800 ANIMALS(VERTEBRATES)	4	2.8	497,207	498,619	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.8	148,237	148,237	*	0
TOTAL		169.7	22,871,440	23,957,431	*	212,678

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL 1890/TUSKEGEE INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
102 SOIL PLNT WTR NUTRI	11	5.5	861,552	875,101	*	0
103 MGMT OF SALINE SOILS	1	0.2	94,959	100,257	*	0
104 ALTERN USE OF LAND	2	0.4	51,039	51,039	*	0
105 CONSERV USE OF WATER	3	2.4	214,738	214,738	*	0
109 WEATHER ADAPT & MOD	1	0.3	39,510	39,510	*	0
110 APPRAIS FORST & RANGS	1	0.9	83,840	85,379	*	0
111 BIOL CULT MGMT FORSTS	1	0.6	69,061	72,957	*	0
112 IMPROV RANGE RESOR	1	0.3	27,947	28,460	*	0
113 REMOTE SENSING	1	0.9	86,326	90,347	*	0
SUBTOTAL		11.5	1,528,970	1,557,786	*	0
SERIES 200						
204 CNTR PESTS FRT & VEGS	2	1.2	136,705	136,705	*	0
205 CNTR DISE FRT & VEG	3	0.4	42,952	42,952	*	0
206 CNTR WEEDS FRT & VEG	3	0.6	103,915	103,915	*	0
207 CNTR PESTS FLD CROPS	5	6.5	591,277	601,216	*	0
208 CNTR DIS FIELD CROPS	1	0.8	69,061	72,928	*	0
211 CONTR DIS ANIMALS	3	1.4	353,091	380,179	*	0
213 PROT ANMLS FROM TOXINS	2	0.4	55,060	55,766	*	0
214 PROTECT FROM POLLUTION	1	1.4	259,414	259,414	*	0
SUBTOTAL		12.8	1,611,476	1,653,075	*	0
SERIES 300						
301 GENET BREED FORST TRE	2	1.3	226,645	226,645	*	0
304 IMP BIO EFF FRT & VEGS	20	18.4	2,011,966	2,035,763	*	0
306 PROD MGMT SYS F & V	1	0.4	86,590	86,590	*	0
307 IMP BIO EFF FLD CRP	19	11.3	1,710,340	1,836,878	*	20,000
309 PROD MGMT SYS FLD CRP	2	2.3	257,733	258,412	*	0
310 ANIMAL REPRODUCTION	11	10.0	1,165,419	1,389,041	*	14,148
311 IMP BIO EFF ANML PR	24	18.5	3,395,254	3,557,829	*	69,455
312 ENV STRESS IN ANML PR	2	0.7	132,484	132,945	*	0
313 PROD MGMT SYS ANML PR	1	0.0	5,188	29,042	*	19,460
316 FARM BUSINESS MGMT	6	2.8	367,297	371,341	*	0
318 NON COM BIO TECH/ELMET	2	0.8	156,196	165,156	*	0
SUBTOTAL		66.6	9,515,112	10,089,641	*	123,063
SERIES 400						
402 PROD F & V IMP ACCEPT	2	0.4	68,277	68,277	*	0
403 NEW & IMP F & V PROD	3	1.1	110,214	114,500	*	0
404 MKT QUAL FRTS & VEGS	1	0.6	51,436	51,436	*	0
405 PROD FLD CROP IMP ACPT	1	0.0	6,969	6,969	*	0
406 NEW IMP FOOD FLD CROP	4	1.4	160,063	182,179	*	0
407 NEW IMP NON FOOD FC	1	0.3	12,706	12,923	*	0
408 MKT QUAL FIELD CROPS	3	1.8	241,725	246,476	*	0
409 PROD ANML PR IMP ACCP	3	0.9	86,381	89,266	*	2,834
410 IMP MEAT MILK EGG PR	4	2.7	418,347	420,473	*	2,125
411 IMP NON FOOD ANML PR	2	0.5	18,790	22,344	*	2,125
SUBTOTAL		9.7	1,174,910	1,214,844	*	7,085
SERIES 500						
506 SPLY DEMAND AND PRIC	4	1.4	228,064	228,731	*	0
507 COMP REL IN AGRIC	1	0.3	66,849	66,849	*	0
508 DOMESTIC MKT DEVELP	4	1.5	263,403	264,071	*	0
509 PERFORMANCE MKTG SYS	5	1.8	282,687	292,172	*	0
SUBTOTAL		5.0	841,003	851,823	*	0
SERIES 600						
603 TECH AID DEV CRTY	2	1.3	0	88,686	*	0
SUBTOTAL		1.3	0	88,686	*	0
SERIES 700						
702 FOOD PROT FROM TOX	4	1.1	179,062	200,284	*	0
703 FOOD CONSUMP HABITS	17	6.3	784,394	795,061	*	0
705 SEL CARE CLOTH & TEXTL	12	3.8	476,296	478,256	*	0
707 TRANS ANIML MAN DIS	1	0.0	75,017	75,017	*	0
708 HUMAN NUTRITION	20	9.4	1,169,650	1,209,505	*	0
SUBTOTAL		20.7	2,684,419	2,758,123	*	0
SERIES 800						
801 RURAL HOUSING	13	3.3	419,728	422,873	*	0
802 INDIV & FAM DEC MAKING	12	4.3	475,921	484,753	*	0
803 RURAL POVERTY	3	0.7	63,809	63,929	*	0
804 ECON POTENT RURL REO	13	5.9	791,289	817,020	*	0
805 COMMUNICAT EDUC PROC	6	3.6	486,354	494,480	*	0
806 ADJUSTMENT TO CHANGE	8	3.1	414,295	415,464	*	0
807 AGRIC ECONOMIC CHANGE	6	2.4	374,820	394,777	*	0
SUBTOTAL		23.2	3,026,214	3,093,295	*	0
SERIES 900						
901 ALLEV POLLUTION	4	1.1	350,358	350,358	*	0
904 WLDLFE AND FISH ECOL	17	13.2	1,509,173	1,629,135	*	82,530
905 TREES BEAUTIFICATION	1	0.2	57,887	72,653	*	0
906 ORNAMENT & TURF DEV	2	1.4	199,631	199,631	*	0
907 RURAL INCOME IMP	1	0.0	2,998	3,051	*	0
908 RURAL INSTITUT IMP	5	2.9	369,290	395,329	*	0
SUBTOTAL		18.8	2,489,337	2,650,157	*	82,530
SCIENCE IN SERV OF MAN						
GRAND TOTAL		169.7	22,871,440	23,957,431	*	212,678

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- AG TECH NC. GREENSBORO 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.5	115,968	123,700	*	0
0200 WATER	1	0.2	38,656	41,233	*	0
1100 POTATOES	1	0.5	56,369	60,655	*	0
1200 VEGETABLES	1	0.7	151,269	161,574	*	0
1400 CORN	1	0.1	31,316	33,404	*	0
2000 FORAGE CROPS	1	0.0	56,184	59,930	*	0
2300 SOYBEANS	3	0.9	299,842	320,218	*	0
2900 POULTRY	1	0.6	118,129	126,005	*	0
3000 BEEF CATTLE	1	0.6	202,695	228,435	*	0
3100 DAIRY CATTLE	1	0.2	18,790	20,218	*	0
3200 SWINE	2	1.0	299,000	321,287	*	0
3800 FOOD	1	0.2	18,100	19,307	*	0
4000 PEOPLE AS INDIVIDUALS	5	2.1	376,415	401,643	*	0
4100 FAMILY MEMBERS	1	0.3	23,264	24,824	*	0
4200 FARM AS BUSINESS	1	0.9	100,580	107,333	*	0
4300 SOC POLIT ORGANIZ	1	0.2	15,510	16,550	*	0
4800 MARKETING SYSTEMS	2	0.8	140,225	149,582	*	0
6800 ANIMALS(VERTEBRATES)	1	0.4	21,178	22,590	*	0
TOTAL		10.3	2,083,489	2,238,487	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ALA A&M NORMAL 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.9	86,326	90,347	*	0
0600 TIMBER FORST PRODUCT	1	0.6	69,061	72,957	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.8	94,959	99,979	*	0
1200 VEGETABLES	1	0.2	20,707	20,904	*	0
1500 GRAIN SORGHUM	1	0.2	33,236	33,236	*	0
1700 WHEAT	1	0.1	13,812	16,408	*	0
1800 OTHER SMALL GRAINS	2	0.5	103,591	115,061	*	0
2000 FORAGE CROPS	1	0.3	37,984	37,984	*	0
2300 SOYBEANS	7	3.2	423,429	477,564	*	0
2400 PEANUTS	2	1.8	0	116,095	*	0
2500 OTHER OILSEED CROPS	1	0.1	9,496	9,496	*	0
3000 BEEF CATTLE	1	0.1	17,265	21,746	*	0
3100 DAIRY CATTLE	1	0.1	31,078	40,669	*	0
3200 SWINE	1	0.1	17,265	21,746	*	0
3400 OTHER ANIMALS	2	0.9	81,146	101,258	*	0
3700 CLOTHING & TEXTILES	2	0.6	55,237	55,677	*	0
3800 FOOD	1	0.2	20,707	20,904	*	0
3900 HOUSING & EQUIP	1	0.2	20,707	20,904	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.2	40,573	48,564	*	0
4200 FARM AS BUSINESS	1	0.1	31,077	37,699	*	0
4300 SOC POLIT ORGANIZ	3	0.8	123,446	164,098	*	0
4400 AGRIC ECONOMY U S	1	0.1	15,539	18,849	*	0
6300 BIO CELL SYSTEMS	1	0.3	34,531	43,491	*	0
TOTAL		12.3	1,381,173	1,685,633	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ALA TUSKEGEE TUSKEGEE 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.2	20,347	20,347	*	0
1200 VEGETABLES	2	4.8	481,146	481,146	*	0
2900 POULTRY	1	0.2	100,361	100,361	*	0
3200 SWINE	1	0.5	127,331	127,331	*	0
3400 OTHER ANIMALS	1	3.0	350,224	350,224	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.1	170,198	170,198	*	0
4100 FAMILY MEMBERS	1	0.4	25,477	25,477	*	0
4300 SOC POLIT ORGANIZ	1	0.2	12,739	12,739	*	0
TOTAL		10.6	1,287,823	1,287,823	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ALCORN A&M LORMAN 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0200 WATER	1	0.4	159,346	159,346	*	0
1000 FRUIT NUTS DECIDUOUS	1	0.8	131,512	131,512	*	0
1200 VEGETABLES	2	0.6	170,468	170,468	*	0
1900 PASTURE	1	0.4	68,319	68,319	*	0
2300 SOYBEANS	1	0.1	69,692	69,692	*	0
2900 POULTRY	1	0.5	98,915	98,915	*	0
3000 BEEF CATTLE	1	0.4	68,319	68,319	*	0
3100 DAIRY CATTLE	1	1.0	128,458	128,458	*	0
3700 CLOTHING & TEXTILES	1	0.3	53,538	53,538	*	0
3800 FOOD	1	0.4	71,384	71,384	*	0
3900 HOUSING & EQUIP	1	0.3	53,538	53,538	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.0	194,001	194,001	*	0
4200 FARM AS BUSINESS	1	0.2	57,726	57,726	*	0
4300 SOC POLIT ORGANIZ	1	0.3	59,366	59,366	*	0
6100 WEEDS	1	0.1	35,948	35,948	*	0
TOTAL		7.1	1,420,528	1,420,528	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- ARK A&M PINE BLUFF 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	7	2.7	432,376	436,141	*	0
2000 FORAGE CROPS	1	1.0	114,622	114,962	*	0
2500 OTHER OILSEED CROPS	1	1.3	137,547	137,954	*	0
2800 MISC NEW CROPS	1	0.6	68,773	68,977	*	0
2900 POULTRY	2	1.0	139,044	139,760	*	0
3700 CLOTHING & TEXTILES	2	0.6	109,631	110,245	*	0
3800 FOOD	1	0.2	31,562	31,767	*	0
3900 HOUSING & EQUIP	1	0.1	41,138	41,650	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.5	92,614	93,459	*	0
4100 FAMILY MEMBERS	1	0.0	13,544	13,698	*	0
4300 SOC POLIT ORGANIZ	1	0.0	9,030	9,132	*	0
4800 MARKETING SYSTEMS	1	0.0	11,287	11,415	*	0
TOTAL		9.2	1,201,170	1,209,161	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- DEL STATE COL DOVER 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0600 TIMBER FORST PRODUCT	1	0.2	57,887	72,653	*	0
0800 WILDLIFE AND FISH	2	1.7	146,708	176,240	*	0
1200 VEGETABLES	1	1.8	94,350	109,116	*	0
2000 FORAGE CROPS	2	1.0	143,296	172,828	*	0
4000 PEOPLE AS INDIVIDUALS	1	1.0	29,992	29,992	*	0
TOTAL		5.7	472,233	560,829	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FLORIDA A&M TALLAHASSE 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	1.0	125,135	125,135	*	0
0300 WATERSHEDS RIVER BAS	2	2.0	176,045	176,045	*	0
0800 WILDLIFE AND FISH	1	0.5	31,067	31,067	*	0
1200 VEGETABLES	1	1.0	116,358	116,358	*	0
2400 PEANUTS	1	1.0	103,106	103,106	*	0
3000 BEEF CATTLE	1	0.5	45,865	45,865	*	0
3200 SWINE	1	1.0	98,039	98,039	*	0
3400 OTHER ANIMALS	1	0.2	133,747	133,747	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.5	31,067	31,067	*	0
4300 SOC POLIT ORGANIZ	1	0.3	46,694	46,694	*	0
6500 INVERTEBRATES	1	1.0	58,614	58,614	*	0
TOTAL		9.0	965,735	965,735	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- FT. VALLEY COL FORT VALLEY 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.3	39,510	39,510	*	0
0400 AIR AND CLIMATE	1	0.1	19,755	19,755	*	0
0900 CITRUS SUB TROP FRUT	1	0.1	28,504	28,504	*	0
1000 FRUIT NUTS DECIDUCUS	1	0.3	39,510	39,510	*	0
1200 VEGETABLES	6	2.9	358,815	358,815	*	0
1300 ORNAMENTALS TURF	1	0.2	42,338	42,338	*	0
2000 FORAGE CROPS	1	0.2	27,652	27,652	*	0
2300 SOYBEANS	1	0.1	38,081	38,081	*	0
3400 OTHER ANIMALS	3	1.8	462,651	462,651	*	0
3700 CLOTHING & TEXTILES	1	0.1	14,586	14,586	*	0
3800 FOOD	2	0.7	68,621	68,621	*	0
3900 HOUSING & EQUIP	1	0.1	14,586	14,586	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.7	80,856	80,856	*	0
4100 FAMILY MEMBERS	1	0.3	31,095	31,095	*	0
4300 SOC POLIT ORGANIZ	1	0.7	102,639	102,639	*	0
6800 ANIMALS(VERTEBRATES)	1	0.8	97,456	97,456	*	0
TOTAL		9.5	1,466,655	1,466,655	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- KY STATE COLL FRANKFORT 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0600 TIMBER FORST PRODUCT	2	1.3	226,645	226,645	*	0
0800 WILDLIFE AND FISH	2	4.0	377,220	377,220	*	0
1200 VEGETABLES	1	0.7	111,958	111,958	*	0
1400 CORN	2	2.0	292,978	292,978	*	0
1700 WHEAT	1	0.3	52,686	52,686	*	0
2000 FORAGE CROPS	1	0.3	56,753	56,753	*	0
2300 SOYBEANS	1	0.7	110,168	110,168	*	0
3700 CLOTHING & TEXTILES	1	0.5	48,868	48,868	*	0
3800 FOOD	1	0.5	48,868	48,868	*	0
4000 PEOPLE AS INDIVIDUALS	2	0.7	140,174	140,174	*	0
4100 FAMILY MEMBERS	1	1.1	147,350	147,350	*	0
4300 SOC POLIT ORGANIZ	1	1.0	107,248	107,248	*	0
TOTAL		13.2	1,720,915	1,720,915	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- LANGSTON UNIV LANGSTON 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.1	9,673	9,673	*	0
0800 WILDLIFE AND FISH	1	1.5	132,328	132,328	*	0
1500 GRAIN SORGHUM	1	0.1	9,673	9,673	*	0
1700 WHEAT	1	0.1	9,673	9,673	*	0
2000 FORAGE CROPS	1	0.1	9,673	9,673	*	0
2300 SOYBEANS	2	1.1	139,543	139,543	*	0
3400 OTHER ANIMALS	3	3.9	684,902	684,902	*	0
TOTAL		6.9	995,467	995,467	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- LINCOLN UNIV JEFFERSON 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.1	18,132	18,465	*	0
0700 RANGE	1	1.2	111,786	113,838	*	0
0900 CITRUS SUB TROP FRUT	1	0.2	24,588	25,039	*	0
1000 FRUIT NUTS DECIDUCUS	1	0.2	24,588	25,039	*	0
1200 VEGETABLES	4	2.8	312,466	318,199	*	0
2300 SOYBEANS	1	0.8	92,214	113,906	*	20,000
3000 BEEF CATTLE	2	0.9	121,954	200,597	*	0
3200 SWINE	1	0.9	112,692	181,618	*	0
3300 SHEEP AND WOOL	1	1.4	112,243	174,148	*	0
3400 OTHER ANIMALS	2	2.5	249,496	254,073	*	0
3700 CLOTHING & TEXTILES	1	0.1	15,820	16,110	*	0
3800 FOOD	1	0.3	31,640	32,221	*	0
3900 HOUSING & EQUIP	1	0.1	15,820	16,110	*	0
4000 PEOPLE AS INDIVIDUALS	3	1.9	216,724	220,699	*	0
4100 FAMILY MEMBERS	2	0.5	46,142	46,984	*	0
4200 FARM AS BUSINESS	2	0.4	37,898	38,592	*	0
4400 AGRIC ECONOMY U S	1	0.4	36,399	37,067	*	0
4700 OTH MARKET PROCESS	1	0.4	36,399	37,067	*	0
TOTAL		15.2	1,617,000	1,869,771	*	20,000

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- MD. STATE COL PRINCESS ANN 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	1	0.3	63,932	150,597	*	82,530
2300 SOYBEANS	1	4.0	434,396	449,199	*	0
2900 POULTRY	1	0.0	12,971	72,604	*	48,650
3000 BEEF CATTLE	1	0.1	11,533	12,207	*	0
3100 DAIRY CATTLE	2	0.6	75,425	126,421	*	0
3700 CLOTHING & TEXTILES	2	0.6	39,319	40,153	*	0
3800 FOOD	1	0.3	25,048	25,628	*	0
3900 HOUSING & EQUIP	1	0.3	26,613	27,230	*	0
4100 FAMILY MEMBERS	2	0.9	78,182	78,939	*	0
4300 SOC POLIT ORGANIZ	1	0.4	43,296	43,416	*	0
TOTAL		7.7	810,715	1,026,392	*	131,180

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- PRAIRIE VW A&M PRAIRIE VIEW 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.4	66,707	66,707	*	0
3400 OTHER ANIMALS	5	9.0	1,225,203	1,286,701	*	61,498
3700 CLOTHING & TEXTILES	1	0.4	70,121	70,121	*	0
3800 FOOD	1	0.8	140,243	140,243	*	0
3900 HOUSING & EQUIP	1	0.4	70,121	70,121	*	0
6700 PLANTS	1	0.2	44,471	44,471	*	0
6800 ANIMALS(VERTEBRATES)	2	1.6	378,573	378,573	*	0
7000 RSCH EQUIP & TECHNOLOGY	1	0.8	148,237	148,237	*	0
TOTAL		13.6	2,143,675	2,205,173	*	61,498

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SC STATE COLL ORANGEBURG 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0400 AIR AND CLIMATE	1	0.2	81,073	81,073	*	0
1200 VEGETABLES	1	0.5	59,416	59,416	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.5	203,325	203,325	*	0
4200 FARM AS BUSINESS	2	1.2	153,204	153,204	*	0
4300 SOC POLIT ORGANIZ	6	4.2	546,126	546,126	*	0
6300 BIO CELL SYSTEMS	1	0.6	121,665	121,665	*	0
TOTAL		8.2	1,164,809	1,164,809	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SOUTHERN UNIV BATON ROUGE 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
1000 FRUIT NUTS DECIDUOUS	2	1.9	220,828	220,828	*	0
1200 VEGETABLES	2	0.9	176,925	176,925	*	0
3200 SWINE	1	0.6	97,628	97,628	*	0
3400 OTHER ANIMALS	1	1.0	191,997	191,997	*	0
3800 FOOD	1	0.6	109,357	109,357	*	0
4000 PEOPLE AS INDIVIDUALS	1	0.5	121,752	121,752	*	0
4100 FAMILY MEMBERS	1	0.6	75,224	75,224	*	0
4800 MARKETING SYSTEMS	1	0.7	106,811	106,811	*	0
TOTAL		6.8	1,100,522	1,100,522	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- TEN A&M IND NASHVILLE 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	1	0.5	82,696	82,696	*	0
1200 VEGETABLES	1	0.6	78,268	78,268	*	0
1300 ORNAMENTALS TURF	1	1.2	157,293	157,293	*	0
1700 WHEAT	1	0.1	13,783	13,783	*	0
2300 SOYBEANS	3	2.0	296,531	296,531	*	0
2900 POULTRY	1	0.4	144,107	144,107	*	0
3000 BEEF CATTLE	1	0.4	156,087	156,087	*	0
3400 OTHER ANIMALS	1	0.8	119,686	119,686	*	0
3700 CLOTHING & TEXTILES	1	0.3	44,259	44,259	*	0
3800 FOOD	1	0.3	44,259	44,259	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.4	186,021	186,021	*	0
4100 FAMILY MEMBERS	1	0.4	46,452	46,452	*	0
4200 FARM AS BUSINESS	1	0.5	69,678	69,678	*	0
4300 SOC POLIT ORGANIZ	1	0.1	56,757	56,757	*	0
4700 OTH MARKET PROCESS	1	0.4	66,869	66,869	*	0
4800 MARKETING SYSTEMS	1	0.2	44,579	44,579	*	0
TOTAL		9.6	1,607,324	1,607,324	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- VA STATE COLL PETERSBURG 1890

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	2	1.5	266,929	266,929	*	0
1200 VEGETABLES	1	3.9	316,826	316,826	*	0
2300 SOYBEANS	1	3.9	244,787	244,787	*	0
3200 SWINE	1	2.0	217,894	217,894	*	0
3700 CLOTHING & TEXTILES	1	0.4	37,622	37,622	*	0
3800 FOOD	2	1.2	133,597	133,597	*	0
3900 HOUSING & EQUIP	1	0.4	37,622	37,622	*	0
4000 PEOPLE AS INDIVIDUALS	2	1.0	130,182	130,182	*	0
4100 FAMILY MEMBERS	1	0.3	46,748	46,748	*	0
TOTAL		14.8	1,432,207	1,432,207	*	0
GRAND TOTAL		169.7	22,871,440	23,957,431	*	212,678

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	27	9.3	44,116	2,057,988	*	122,487
2900 POULTRY	86	27.9	203,916	5,980,777	*	399,875
3000 BEEF CATTLE	151	79.7	341,268	15,368,377	*	688,004
3100 DAIRY CATTLE	152	46.3	278,660	10,642,156	*	884,548
3200 SWINE	144	35.6	155,098	7,966,691	*	589,458
3300 SHEEP AND WOOL	46	23.1	93,069	5,070,393	*	291,681
3400 OTHER ANIMALS	298	114.5	182,838	25,873,640	*	107,792
3800 FOOD	1	0.1	0	21,590	*	0
4000 PEOPLE AS INDIVIDUALS	9	7.3	0	1,657,842	*	0
4100 FAMILY MEMBERS	2	0.2	0	31,833	*	0
6300 BIO CELL SYSTEMS	5	2.9	0	626,846	*	0
6600 MICROORGANISMS VIRUSES	12	3.7	8,990	502,836	*	29,961
6800 ANIMALS(VERTEBRATES)	141	117.9	55,051	27,631,977	*	75,518
7000 RSCH EQUIP & TECHNOLOGY	3	0.5	0	115,803	*	0
TOTAL		469.1	1,363,006	103,548,749	*	3,189,325

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 200						
210 CONTR PESTS ANIMALS	2	2.0	0	144,993	*	0
211 CONTR DIS ANIMALS	573	302.6	1,047,169	64,084,303	*	2,281,269
212 CNTR INTER PARASITES	27	6.0	25,101	1,295,190	*	3,000
213 PROT ANMLS FROM TOXINS	37	47.3	110,257	10,252,707	*	30,903
214 PROTECT FROM POLLUTION	15	16.4	20,949	5,535,401	*	11,443
SUBTOTAL		374.3	1,203,476	81,312,594	*	2,326,615
SERIES 300						
310 ANIMAL REPRODUCTION	53	20.4	64,836	6,116,390	*	407,528
311 IMP BIO EFF ANML PR	91	34.0	34,293	8,338,004	*	54,742
312 ENV STRESS IN ANML PR	22	11.2	2,783	1,479,375	*	22,811
313 PROD MGMT SYS ANML PR	1	0.2	0	18,408	*	0
318 NON COM BIO TECH/EIMET	21	9.1	2,050	1,960,993	*	0
SUBTOTAL		74.9	103,962	17,913,170	*	485,080
SERIES 400						
409 PROD ANML PR IMP ACCP	5	0.3	3,452	194,244	*	69,857
410 IMP MEAT MILK EGG PR	1	0.3	2,971	70,452	*	0
412 MKT QUAL ANIMAL PROD	3	0.7	0	331,001	*	0
SUBTOTAL		1.4	6,423	595,697	*	69,857
SERIES 500						
511 IMP AGRIC STATISTICS	1	0.2	0	68,600	*	0
SUBTOTAL		0.2	0	68,600	*	0
SERIES 700						
701 TOX RES IN FOOD	2	2.6	8,000	273,374	*	151,036
707 TRANS ANIML MAN DIS	8	6.9	0	1,422,940	*	0
708 HUMAN NUTRITION	1	0.4	0	123,550	*	34,250
709 REDUCE HAZ HLTH & SFTY	2	0.5	0	266,240	*	0
SUBTOTAL		10.3	8,000	2,086,104	*	185,286
SERIES 800						
806 ADJUSTMENT TO CHANGE	1	0.1	0	496	*	0
SUBTOTAL		0.1	0	496	*	0
SERIES 900						
904 WLDLFE AND FISH ECOL	24	7.8	41,145	1,572,088	*	122,487
SUBTOTAL		7.8	41,145	1,572,088	*	122,487
SCIENCE IN SERV OF MAN						
GRAND TOTAL		469.1	1,363,006	103,548,749	*	3,189,325

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED AUBURN VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	1	0.6	0	84,371	*	0
2900 POULTRY	3	0.8	0	125,435	*	0
3000 BEEF CATTLE	15	7.7	4,800	1,100,349	*	0
3100 DAIRY CATTLE	5	0.9	3,200	114,246	*	0
3200 SWINE	7	1.7	0	243,416	*	0
3300 SHEEP AND WOOL	2	0.2	0	34,728	*	0
3400 OTHER ANIMALS	8	3.2	38,277	396,723	*	0
TOTAL		15.1	46,277	2,099,267	*	0

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED CALIFORNIA VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	3	1.1	0	325,313	*	0
2900 POULTRY	2	0.5	1,600	57,880	*	0
3000 BEEF CATTLE	13	4.5	49,709	971,593	*	36,278
3100 DAIRY CATTLE	23	9.3	87,209	2,564,623	*	222,643
3200 SWINE	4	0.8	6,600	114,295	*	36,278
3300 SHEEP AND WOOL	5	1.3	3,980	106,734	*	36,278
3400 OTHER ANIMALS	9	15.0	5,000	3,973,131	*	0
6600 MICROORGANISMS VIRUSES	2	0.1	0	15,800	*	2,000
6800 ANIMALS(VERTEBRATES)	6	38.5	4,500	12,850,459	*	0
TOTAL		71.1	158,598	20,979,828	*	340,477

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED COLORADO VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
3000 BEEF CATTLE	4	44.4	147,061	8,728,422	*	88,887
3100 DAIRY CATTLE	2	9.3	35,542	1,697,257	*	24,909
3300 SHEEP AND WOOL	5	12.9	47,650	2,688,502	*	108,165
3400 OTHER ANIMALS	1	1.7	11,352	355,812	*	12,375
TOTAL		68.3	241,605	13,469,994	*	234,336

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED FLORIDA VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	1	0.5	0	61,150	*	0
3000 BEEF CATTLE	8	2.4	10,855	504,907	*	85,000
3100 DAIRY CATTLE	4	0.8	2,784	206,162	*	85,000
3200 SWINE	4	1.3	6,389	205,406	*	0
3300 SHEEP AND WOOL	1	0.1	835	33,131	*	0
3400 OTHER ANIMALS	23	10.0	58,075	1,803,321	*	0
6800 ANIMALS(VERTEBRATES)	2	1.0	5,566	232,371	*	0
TOTAL		16.1	84,503	3,046,449	*	170,000

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED GEORGIA VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	3	2.8	14,854	497,042	*	42,487
2900 POULTRY	9	13.5	67,378	2,694,244	*	161,977
3000 BEEF CATTLE	6	2.0	15,075	269,042	*	0
3100 DAIRY CATTLE	6	3.4	15,075	397,799	*	0
3200 SWINE	11	4.6	4,190	652,652	*	0
3300 SHEEP AND WOOL	2	1.2	2,095	149,117	*	0
3400 OTHER ANIMALS	5	4.0	0	693,949	*	33,288
4000 PEOPLE AS INDIVIDUALS	1	0.1	0	27,782	*	0
6300 BIO CELL SYSTEMS	1	1.4	0	159,230	*	0
6600 MICROORGANISMS VIRUSES	3	1.6	0	206,480	*	0
6800 ANIMALS (VERTEBRATES)	1	0.1	0	8,118	*	0
TOTAL		34.7	118,666	5,755,456	*	237,752

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED ILLINOIS VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
2900 POULTRY	2	0.5	0	91,773	*	49,959
3000 BEEF CATTLE	4	0.2	0	64,539	*	26,140
3100 DAIRY CATTLE	4	5.2	0	851,346	*	121,219
3200 SWINE	10	4.5	0	1,192,950	*	90,465
3300 SHEEP AND WOOL	4	1.1	0	686,820	*	58,142
3400 OTHER ANIMALS	5	1.5	0	431,925	*	0
6800 ANIMALS (VERTEBRATES)	59	26.7	0	5,138,279	*	0
TOTAL		39.9	0	8,457,633	*	345,926

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED IOWA VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	2	0.0	5,250	19,891	*	0
2900 POULTRY	25	3.3	27,825	767,702	*	12,994
3000 BEEF CATTLE	36	3.8	27,962	1,186,998	*	101,728
3100 DAIRY CATTLE	25	1.5	17,187	769,060	*	62,222
3200 SWINE	68	10.3	100,864	3,226,460	*	214,466
3300 SHEEP AND WOOL	4	0.5	3,250	118,095	*	0
3400 OTHER ANIMALS	14	1.9	5,250	503,289	*	0
6800 ANIMALS (VERTEBRATES)	25	5.7	40,500	1,146,546	*	0
TOTAL		27.2	227,189	7,738,040	*	391,409

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED LOUISIANA VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	5	1.2	3,000	185,216	*	0
2900 POULTRY	3	1.0	0	181,794	*	29,192
3000 BEEF CATTLE	14	2.9	3,577	682,006	*	80,772
3100 DAIRY CATTLE	9	2.2	7,448	403,164	*	51,972
3200 SWINE	4	1.3	0	257,389	*	36,392
3300 SHEEP AND WOOL	3	0.8	0	194,290	*	59,192
3400 OTHER ANIMALS	20	4.9	13,151	1,370,252	*	0
TOTAL		14.4	27,177	3,274,112	*	257,521

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED MINNESOTA VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	1	0.7	0	114,793	*	0
2900 POULTRY	7	1.8	0	266,973	*	17,878
3000 BEEF CATTLE	7	4.5	35,843	774,257	*	88,432
3100 DAIRY CATTLE	4	5.0	27,120	1,087,135	*	39,307
3200 SWINE	12	7.4	20,982	1,245,645	*	168,542
3400 OTHER ANIMALS	10	5.1	0	1,387,647	*	0
TOTAL		24.5	83,945	4,876,450	*	314,158

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED MISSOURI VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
3000 BEEF CATTLE	5	1.3	0	72,999	*	3,000
3100 DAIRY CATTLE	2	0.4	0	31,575	*	3,000
3200 SWINE	1	0.3	0	1,435	*	0
3400 OTHER ANIMALS	28	5.2	0	689,704	*	0
6600 MICROORGANISMS VIRUSES	1	0.1	0	1,486	*	0
6800 ANIMALS (VERTEBRATES)	12	13.6	0	2,866,409	*	0
7000 RSCH EQUIP & TECHNOLOGY	2	0.4	0	74,100	*	0
TOTAL		21.3	0	3,737,709	*	6,000

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED NEW YORK VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GI/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	8	1.5	21,012	359,114	*	0
2900 POULTRY	16	4.6	95,518	1,265,760	*	31,600
3000 BEEF CATTLE	22	3.9	24,188	652,768	*	146,009
3100 DAIRY CATTLE	38	3.8	53,552	1,321,092	*	147,934
3200 SWINE	14	1.9	7,927	359,414	*	17,771
3300 SHEEP AND WOOL	10	4.2	19,054	756,856	*	0
3400 OTHER ANIMALS	55	30.3	0	7,399,233	*	33,273
3600 FOOD	1	0.1	0	21,590	*	0
4000 PEOPLE AS INDIVIDUALS	8	7.1	0	1,630,060	*	0
4100 FAMILY MEMBERS	1	0.1	0	31,337	*	0
6300 BIO CELL SYSTEMS	4	1.5	0	467,617	*	0
6600 MICROORGANISMS VIRUSES	4	0.5	8,990	131,800	*	20,961
6800 ANIMALS (VERTEBRATES)	26	14.1	4,485	2,327,953	*	75,518
7000 RSCH EQUIP & TECHNOLOGY	1	0.1	0	41,703	*	0
TOTAL		73.7	234,725	16,766,297	*	473,066

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED OHIO VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
2900 POULTRY	3	0.5	0	67,008	*	0
3000 BEEF CATTLE	3	0.4	12,048	45,688	*	0
3100 DAIRY CATTLE	5	1.0	12,243	175,113	*	110,406
3200 SWINE	3	0.4	0	89,076	*	0
3300 SHEEP AND WOOL	4	0.4	5,156	31,049	*	0
3400 OTHER ANIMALS	45	10.6	0	1,727,721	*	19,183
4100 FAMILY MEMBERS	1	0.1	0	496	*	0
6600 MICROORGANISMS VIRUSES	1	1.0	0	8,806	*	0
6800 ANIMALS (VERTEBRATES)	2	0.2	0	32,169	*	0
TOTAL		14.7	29,447	2,177,125	*	129,589

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED OREGON VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
2900 POULTRY	5	0.3	3,683	111,425	*	32,360
3000 BEEF CATTLE	8	0.3	11,050	108,210	*	15,000
3100 DAIRY CATTLE	5	0.0	0	52,207	*	15,000
3200 SWINE	2	0.2	0	40,498	*	25,545
3300 SHEEP AND WOOL	2	0.0	11,050	40,954	*	29,904
3400 OTHER ANIMALS	7	1.9	11,050	361,768	*	6,866
6800 ANIMALS(VERTEBRATES)	2	1.1	0	141,700	*	0
TOTAL		3.9	35,832	856,761	*	124,675

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED PENNSYLVANIA VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	2	0.4	0	81,098	*	0
2900 POULTRY	11	1.0	7,912	350,784	*	63,915
3000 BEEF CATTLE	4	0.2	0	148,484	*	15,822
3100 DAIRY CATTLE	17	2.3	17,299	787,106	*	0
3200 SWINE	3	0.2	8,147	61,127	*	0
3300 SHEEP AND WOOL	4	0.4	0	230,117	*	0
3400 OTHER ANIMALS	63	14.2	35,464	4,137,562	*	0
6800 ANIMALS(VERTEBRATES)	4	0.6	0	389,992	*	0
TOTAL		19.2	68,822	6,186,269	*	79,737

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED TEXAS VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0800 WILDLIFE AND FISH	1	0.5	0	330,000	*	80,000
3000 BEEF CATTLE	2	1.1	0	58,115	*	936
3100 DAIRY CATTLE	3	0.9	0	184,271	*	936
3200 SWINE	1	0.8	0	276,927	*	0
3400 OTHER ANIMALS	3	5.0	0	636,382	*	2,807
6600 MICROORGANISMS VIRUSES	1	0.4	0	138,463	*	0
6800 ANIMALS(VERTEBRATES)	2	16.3	0	2,497,982	*	0
TOTAL		25.0	0	4,122,139	*	84,679

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- SCH VET MED TUSKEGEE VET

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
3400 OTHER ANIMALS	2	0.0	5,220	5,220	*	0
TOTAL		0.0	5,220	5,220	*	0
GRAND TOTAL		469.1	1,363,006	103,548,749	*	3,189,325

TABLE II-B SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY COMMODITY -- NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	REG FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
0100 SOIL AND LAND	2	1.0	183,800	193,800	*	*
0200 WATER	1	1.0	99,824	128,216	*	*
0600 TIMBER FORST PRODUCT	42	4.9	1,542,094	1,677,835	*	*
0700 RANGE	2	0.0	25,122	41,922	*	*
0800 WILDLIFE AND FISH	3	0.0	347,886	347,886	*	*
0900 CITRUS SUB TROP FRUT	1	0.0	4,767	4,767	*	*
1000 FRUIT NUTS DECIDUCUS	1	1.0	63,049	63,049	*	*
1200 VEGETABLES	9	4.6	407,961	528,773	*	*
1400 CORN	12	1.2	345,127	378,778	*	*
1500 GRAIN SORGHUM	3	0.0	36,812	110,383	*	*
1700 WHEAT	2	0.2	79,614	79,614	*	*
1800 OTHER SMALL GRAINS	3	0.6	76,112	177,711	*	*
2000 FORAGE CROPS	1	0.0	23,575	28,575	*	*
2100 COTTON	1	0.0	4,767	4,767	*	*
2300 SOYBEANS	3	2.0	131,612	131,612	*	*
2500 OTHER OILSEED CROPS	1	0.0	41,079	41,079	*	*
2600 TOBACCO	2	0.2	57,567	142,567	*	*
2700 SUGAR CROPS	1	0.5	110,424	110,424	*	*
2900 POULTRY	14	4.3	723,714	767,229	*	*
3000 BEEF CATTLE	17	3.8	942,913	996,285	*	*
3100 DAIRY CATTLE	3	0.6	159,899	159,899	*	*
3200 SWINE	7	1.7	442,009	503,698	*	*
3400 OTHER ANIMALS	9	0.8	404,109	411,612	*	*
3800 FOOD	3	3.5	247,807	247,807	*	*
3900 HOUSING & EQUIP	1	0.0	20,746	20,746	*	*
4000 PEOPLE AS INDIVIDUALS	8	1.0	352,268	422,268	*	*
4100 FAMILY MEMBERS	2	0.7	53,814	53,814	*	*
4300 SOC POLIT ORGANIZ	2	0.0	152,500	152,500	*	*
6300 BIO CELL SYSTEMS	2	0.3	19,335	19,335	*	*
6500 INVERTEBRATES	33	7.9	1,133,343	1,716,671	*	*
6600 MICROORGANISMS VIRUSES	44	11.2	1,907,120	2,333,185	*	*
6700 PLANTS	57	11.4	2,479,038	3,021,606	*	*
6800 ANIMALS(VERTEBRATES)	6	1.8	319,651	347,251	*	*
7000 RSCH EQUIP & TECHNOLOGY	3	2.5	507,787	508,627	*	*
TOTAL		68.9	13,412,246	15,874,292	*	*

TABLE II-D SUMMARY OF SCI-YEARS AND FUNDS FOR 1989 BY PROBLEM AREA -- NATIONAL TOTAL OTHER NON-FEDERAL INSTITUTIONS

CLASSIFICATION CATEGORY	NO OF PROJ	SCIENTIST YEARS 1989	FED FED APPR/ CSRS ADMSTRD (GROSS) 1989	TOTAL FUNDS (GROSS) 1989	USDA CON/GT/CA SYS 1989	WITH SAES AMOUNT 1989
SERIES 100						
102 SOIL PLNT WTR NUTRI	2	0.0	62,241	112,241	*	*
103 MGMT OF SALINE SOILS	2	1.0	140,903	169,295	*	*
105 CONSERV USE OF WATER	1	0.0	5,246	5,246	*	*
106 DRAIN AND IRRIGATION	1	1.0	93,800	93,800	*	*
109 WEATHER ADAPT & MOD	1	1.0	63,049	63,049	*	*
111 BIOL CULT MGMT FORSTS	10	0.9	389,388	427,743	*	*
112 IMPROV RANGE RESOR	2	0.0	25,122	41,922	*	*
SUBTOTAL		3.9	779,748	913,295	*	*
SERIES 200						
201 CNTRL FOREST INSECTS	6	1.4	170,451	237,697	*	*
202 CONTROL FOREST DIS	3	0.1	142,369	142,369	*	*
204 CNTR PESTS FRT & VEGS	6	2.6	362,126	362,126	*	*
206 CNTR WEEDS FRT & VEG	1	0.0	0	1,092	*	*
207 CNTR PESTS FLD CROPS	6	1.9	136,769	172,407	*	*
208 CNTR DIS FIELD CROPS	2	0.0	99,984	99,984	*	*
209 CNTR WEEDS FLD CROPS	2	0.0	11,118	20,943	*	*
210 CONTR PESTS ANIMALS	2	0.0	16,920	16,920	*	*
211 CONTR DIS ANIMALS	23	6.9	1,304,455	1,472,116	*	*
213 PROT ANMLS FROM TOXINS	1	0.0	30,290	30,290	*	*
SUBTOTAL		13.0	2,274,482	2,555,944	*	*
SERIES 300						
301 GENET BREED FORST TRE	3	0.5	93,006	94,206	*	*
302 IMP FOREST ENG SYS	4	0.1	82,481	84,161	*	*
304 IMP BIO EFF FRT & VEGS	6	2.7	149,234	268,954	*	*
307 IMP BIO EFF FLD CRP	20	4.4	870,784	1,154,780	*	*
308 MECH PROD FIELD CROPS	1	0.4	88,339	88,339	*	*
310 ANIMAL REPRODUCTION	12	3.4	649,851	661,739	*	*
311 IMP BIO EFF ANML PR	10	2.0	582,208	596,338	*	*
312 ENV STRESS IN ANML PR	2	0.0	134,419	134,419	*	*
313 PROD MGMT SYS ANML PR	1	0.3	115,200	115,200	*	*
318 NON COM BIO TECH/BIMET	113	29.2	5,463,332	6,933,409	*	*
SUBTOTAL		43.0	8,228,854	10,131,545	*	*
SERIES 400						
401 NEW IMP FOREST PROD	19	2.8	828,813	903,159	*	*
407 NEW IMP NON FOOD PC	1	0.0	46,026	46,026	*	*
409 PROD ANML PR IMP ACCP	1	2.4	41,700	41,700	*	*
411 IMP NON FOOD ANML PR	1	0.0	25,000	25,000	*	*
412 MKT QUAL ANIMAL PROD	1	0.3	12,500	12,500	*	*
SUBTOTAL		5.5	954,039	1,028,385	*	*
SERIES 500						
512 IMP GRADES FRST PROD	1	0.4	24,957	24,957	*	*
SUBTOTAL		0.4	24,957	24,957	*	*
SERIES 700						
701 TOX RES IN FOOD	1	0.5	105,000	105,000	*	*
702 FOOD PROT FROM TOX	1	0.6	101,107	101,107	*	*
708 HUMAN NUTRITION	11	1.9	443,673	513,673	*	*
SUBTOTAL		3.0	649,780	719,780	*	*
SERIES 800						
804 ECON POTENT RURL PRO	1	0.0	25,000	25,000	*	*
SUBTOTAL		0.0	25,000	25,000	*	*
SERIES 900						
904 WLDLFE AND FISH ECOL	3	0.0	347,886	347,886	*	*
908 RURAL INSTITUT IMP	1	0.0	127,500	127,500	*	*
SUBTOTAL		0.0	475,386	475,386	*	*
SCIENCE IN SERV OF MAN GRAND TOTAL		68.9	13,412,246	15,874,292	*	*

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G CA SAES	OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
0100 SOIL AND LAND	245	170.0	265.1	29265	2028	316	0	0	835	0	32445	490	35	32970
0200 WATER	222	124.6	180.7	21367	1152	1334	0	0	64	0	23917	962	26	24905
0300 WATERSHEDS RIVER BAS	125	94.5	221.5	16164	50	468	0	0	604	0	17297	539	84	17920
0400 AIR AND CLIMATE	11	5.1	11.7	830	36	0	0	0	288	0	1154	109	0	1262
0500 RECREATION RESOURCES	19	19.9	20.6	2402	9	0	0	0	524	0	2934	138	99	3171
0600 TIMBER FORST PRODUCT	531	591.9	1461.6	98342	4369	1679	0	0	12602	0	116992	3096	2606	122694
0700 RANGE	140	96.6	181.4	14790	527	112	0	0	295	0	15724	1331	185	17240
0800 WILDLIFE AND FISH	104	60.1	134.8	11298	4770	1295	0	0	1116	61	18541	729	23	19293
0900 CITRUS SUB TROP FRUT	123	88.0	159.6	16249	1621	755	0	0	0	0	18625	165	73	18864
1000 FRUIT NUTS DECIDUOUS	208	130.8	252.9	23628	2361	298	0	0	0	0	26287	537	317	27141
1100 POTATOES	105	42.1	68.7	8450	2436	222	0	0	0	16	11125	0	13	11138
1200 VEGETABLES	285	142.1	230.1	24253	3025	560	0	0	0	4	27842	153	55	28049
1300 ORNAMENTALS TURF	71	24.6	91.0	6512	683	18	0	0	0	0	7213	7	70	7290
1400 CORN	254	175.5	215.4	26476	2944	1533	0	0	0	11	30964	41	205	31210
1500 GRAIN SORGHUM	52	16.9	19.6	3233	188	155	0	0	0	7	3583	15	34	3632
1600 RICE	45	19.1	26.6	3401	785	8	0	0	0	7	4203	5	0	4208
1700 WHEAT	222	141.0	180.5	21354	1887	304	0	0	0	19	23573	78	34	23685
1800 OTHER SMALL GRAINS	95	42.9	44.3	6578	615	26	0	0	0	7	7227	56	8	7292
1900 PASTURE	45	25.2	48.1	4836	72	0	0	0	0	0	4929	0	0	4929
2000 FORAGE CROPS	185	114.8	166.3	19653	882	54	0	0	0	7	20597	1	2	20600
2100 COTTON	166	182.9	333.0	32337	600	186	0	0	0	7	33131	201	458	33790
2200 COTTONSEED	17	17.0	20.6	2553	0	3	0	0	0	0	2556	3	0	2559
2300 SOYBEANS	224	171.3	216.6	26111	1702	602	0	0	0	7	28423	202	144	28769
2400 PEANUTS	50	37.0	45.5	5292	120	16	0	0	0	0	5428	3	9	5439
2500 OTHER OILSEED CROPS	43	16.6	25.5	3051	1568	21	0	0	0	0	4640	44	0	4684
2600 TOBACCO	34	28.7	46.7	5693	16	12	0	0	0	0	5721	0	6	5727
2700 SUGAR CROPS	43	44.0	94.7	7819	117	587	0	0	0	0	8524	0	677	9201
2800 MISC NEW CROPS	62	40.3	49.5	5589	879	75	0	0	0	114	6656	878	24	7558
2900 POULTRY	125	99.4	176.9	18939	1765	1248	0	0	0	0	21952	37	207	22196
3000 BEEF CATTLE	256	161.5	291.8	31579	4694	2035	0	0	0	0	38308	207	71	38586
3100 DAIRY CATTLE	190	128.2	252.8	26460	2672	586	0	0	0	0	29718	130	2	29850
3200 SWINE	124	90.5	160.9	23780	2258	909	0	0	0	0	26948	7	0	26955
3300 SHEEP AND WOOL	82	38.4	67.1	8327	911	446	0	0	0	0	9685	4	4	9693
3400 OTHER ANIMALS	36	10.7	9.5	1064	861	1054	0	0	0	0	2978	21	0	2999
3500 BEES AND HONEY	24	28.4	40.9	4167	0	0	0	0	0	0	4167	35	2	4204
3600 FARM SUPP & FACILITS	5	7.0	0.0	852	37	0	0	0	0	0	889	0	0	889
3800 FOOD	70	67.3	52.4	12311	1288	508	0	0	0	79	14187	50	0	14237
3900 HOUSING & EQUIP	16	6.7	21.0	1253	162	125	0	0	0	0	1541	0	65	1605
4000 PEOPLE AS INDIVIDUALS	170	89.7	141.8	23619	901	20605	0	0	0	0	45125	133	2	45260
4100 FAMILY MEMBERS	12	9.2	0.0	1454	446	25	0	0	0	0	1925	0	0	1925
4200 FARM AS BUSINESS	10	7.0	0.0	1009	308	0	0	0	0	0	1316	0	0	1316
4300 SOC POLIT ORGANIZ	24	28.8	0.0	3424	491	165	0	0	0	0	4080	0	0	4080
4400 AGRIC ECONOMY U S	49	79.9	0.0	8834	754	0	0	0	0	79	9667	0	0	9667
4500 AGRIC ECONOMY FORGN	45	110.0	0.0	11685	716	0	0	0	0	266	12666	0	0	12666
4600 FARM COOPERATIVES	6	7.5	1.4	842	27	95	0	0	0	0	964	0	0	964
4800 MARKETING SYSTEMS	10	18.8	0.3	2738	165	0	0	0	0	0	2903	0	0	2903
6100 WEEDS	67	34.9	47.2	6069	111	4	0	0	0	0	6183	81	22	6286
6200 SEED RESEARCH	9	8.3	9.5	1140	7	50	0	0	0	0	1197	1	0	1198
6300 BIO CELL SYSTEMS	26	12.1	14.8	1769	123	590	0	0	0	0	2482	6	0	2488
6400 EXP DESIGN/STAT METHOD	1	0.0	0.0	0	6	0	0	0	0	0	6	0	0	6
6500 INVERTEBRATES	137	74.5	106.3	11505	1977	1924	0	0	7	0	15414	76	84	15573
6600 MICROORGANISMS VIRUSES	143	46.1	63.5	5942	3664	2626	0	0	0	0	12232	140	80	12452
6700 PLANTS	276	86.3	129.9	14449	8386	5859	0	0	0	0	28695	784	341	29819
6800 ANIMALS(VERTEBRATES)	36	7.7	8.3	1180	1355	437	0	0	0	0	2972	36	0	3008
6900 RESEARCH ON RSCH MGMT	8	1.5	2.3	249	85	0	0	0	52	0	386	0	0	386
7000 RSCH EQUIP & TECHNOLOG	27	14.6	23.0	2898	562	544	0	0	0	0	4004	0	0	4004
9900 UNCLASSIFIED	10	4.0	13.0	5809	0	0	0	0	0	0	5809	0	0	5809
TOTAL		3942.4	6447.3	680905	70185	50480	0	0	16386	694	818649	11528	6068	836245

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS SYS	STAFF-YEARS OTHER	REG IN HOUSE	C G CA SAES	C G CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 100														
101 APPRAIS OF SOIL RESOR	23	7.4	13.3	1363	384	0	0	0	0	0	1747	60	3	1810
102 SOIL PLNT WTR NUTRI	191	170.1	286.1	29423	813	183	0	0	99	0	30519	359	108	30985
103 MGMT OF SALINE SOILS	15	9.2	15.3	1835	180	35	0	0	0	0	2050	43	0	2093
104 ALTERN USE OF LAND	25	28.7	5.7	3719	144	0	0	0	0	0	3862	54	2	3919
105 CONSERV USE OF WATER	114	76.4	129.5	12701	407	91	0	0	14	0	13213	655	50	13918
106 DRAIN AND IRRIGATION	18	20.5	29.6	3287	56	0	0	0	0	0	3343	113	0	3456
107 WATERSHED PROT & MGMT	141	136.3	305.9	23897	411	936	0	0	516	0	25760	597	98	26454
108 ECON LEG PROB OF WAT	3	7.4	0.0	903	0	0	0	0	0	0	903	0	0	903
109 WEATHER ADAPT & MOD	20	9.6	16.1	1376	314	10	0	0	0	0	1700	88	1	1790
110 APPRAIS FORST & RANGS	32	48.4	362.4	13017	43	0	0	0	1016	0	14076	521	31	14628
111 BIOL CULT MGMT FORSTS	143	157.6	367.1	21653	148	50	0	0	2078	0	23940	642	567	25149
112 IMPROV RANGE RESOR	63	45.5	81.6	7855	332	77	0	0	115	0	8379	129	25	8533
113 REMOTE SENSING	22	15.0	21.9	3016	119	82	0	0	361	0	3577	386	0	3963
114 RSCH ON MGMT OF RSCH	8	1.5	2.3	249	85	0	0	0	52	0	386	0	0	386
SUBTOTAL		733.7	1637.0	124304	3435	1465	0	0	4251	0	133454	3647	885	137986
SERIES 200														
201 CNTRL FORST INSECTS	101	86.2	159.9	12963	187	446	0	0	2939	0	16535	101	22	16658
202 CONTROL FOREST DIS	59	45.3	104.5	8134	220	0	0	0	1024	0	9378	225	247	9850
203 FOREST FIRE PROTECT	31	37.3	64.9	5721	0	0	0	0	622	0	6343	140	274	6757
204 CNTR PESTS FRT & VEGS	174	78.8	182.3	15570	1049	334	0	0	0	0	16953	379	69	17400
205 CNTR DISE FRT & VEG	194	79.8	138.4	12607	2964	643	0	0	0	0	16214	341	76	16631
206 CNTR WEEDS FRT & VEG	40	9.9	24.6	1821	205	65	0	0	0	0	2091	96	0	2187
207 CNTR PESTS FLD CROPS	222	167.2	259.2	25363	1804	106	0	0	0	0	27272	1170	585	29027
208 CNTR DIS FIELD CROPS	198	117.3	174.2	17994	1121	101	0	0	0	0	19216	142	197	19556
209 CNTR WEEDS FLD CROPS	124	77.7	103.0	12769	862	25	0	0	0	0	13656	155	43	13855
210 CONTR PESTS ANIMALS	62	60.1	121.4	8269	883	151	0	0	0	0	9303	84	0	9386
211 CONTR DIS ANIMALS	160	138.2	301.8	34409	5142	2447	0	0	0	0	41998	319	185	42502
212 CNTR INTER PARASITES	31	29.3	87.3	6812	493	22	0	0	0	0	7327	0	19	7345
213 PROT ANMLS FROM TOXINS	20	29.4	41.4	4725	254	0	0	0	0	0	4979	0	0	4979
214 PROTECT FROM POLLUTION	44	31.2	43.1	6834	1329	120	0	0	1398	0	9732	95	1	9827
SUBTOTAL		987.7	1806.0	174041	16513	4459	0	0	5983	0	200997	3246	1716	205960
SERIES 300														
301 GENET BREED FORST TRE	27	24.7	72.2	4370	25	0	0	0	241	0	4636	335	32	5004
302 IMP FOREST ENG SYS	18	20.8	48.7	2848	406	50	0	0	166	0	3470	60	18	3548
303 ECON TIMBER PRODUCTN	23	15.3	24.8	1668	215	0	0	0	320	0	2203	235	8	2446
304 IMP BIO EFF FRT & VEGS	185	85.8	177.9	17950	2965	842	0	0	0	0	21757	23	110	21891
305 MECH PROD FRT & VEGS	9	3.1	5.2	635	63	72	0	0	0	0	771	1	0	772
306 PROD MGMT SYS F & V	9	1.0	2.0	222	281	0	0	0	0	0	503	0	0	503
307 IMP BIO EFF FLD CRP	389	281.6	418.3	47827	3974	2717	0	0	0	0	54518	334	778	55630
308 MECH PROD FIELD CROPS	17	13.7	17.5	1930	217	25	0	0	0	0	2172	4	0	2176
309 PROD MGMT SYS FLD CRP	69	36.9	56.3	6350	187	0	0	0	0	0	6537	0	1	6538
310 ANIMAL REPRODUCTION	78	29.9	62.5	7475	3014	2372	0	0	0	0	12860	0	0	12860
311 IMP BIO EFF ANML PR	146	92.2	199.0	23011	1991	995	0	0	0	0	25998	5	23	26026
312 ENV STRESS IN ANMI PR	18	9.7	12.6	1918	94	59	0	0	0	0	2070	0	0	2070
313 PROD MGMT SYS ANMI PR	17	8.3	6.8	1341	387	0	0	0	0	0	1729	0	0	1729
314 BEES OTH POLLNTNG INS	24	28.4	40.9	4167	0	0	0	0	0	0	4167	35	2	4204
315 IMP STRUC FARM SUPP	2	0.0	0.0	0	65	0	0	0	0	0	65	0	0	65
316 FARM BUSINESS MGMT	7	4.3	0.0	664	160	0	0	0	0	0	824	0	0	824
318 NON COM BIO TECH/EMRGT	338	142.3	205.6	21603	9906	11615	0	0	0	0	43125	287	307	43719
SUBTOTAL		798.0	1350.4	143931	23949	18747	0	0	728	0	187404	1319	1280	190002
SERIES 400														
401 NEW IMP FOREST PROD	82	86.8	124.7	16463	1319	535	0	0	1461	0	19778	373	1506	21658
402 PROD F & V IMP ACCEPT	69	30.3	36.7	4625	566	6	0	0	0	0	5197	11	73	5281
403 NEW & IMP F & V PROD	21	27.8	23.2	3827	101	265	0	0	0	0	4193	0	0	4193
404 MKT QUAL FRTS & VEGS	86	84.2	107.8	12776	800	78	0	0	0	0	13654	140	202	13997
405 PROD FLD CROP IMP ACPT	110	89.1	131.4	13804	306	47	0	0	0	0	14157	34	20	14210
406 NEW IMP FOOD FLD CROP	27	36.1	45.6	5932	1379	325	0	0	0	0	7686	0	3	7689
407 NEW IMP NON FOOD FC	62	89.8	136.7	15239	1717	120	0	0	0	0	17126	17	0	17143
408 MKT QUAL FIELD CROPS	48	54.7	72.0	7821	64	0	0	0	0	0	7885	46	1	7932
409 PROD ANML PR IMP ACCP	18	13.4	27.7	2609	241	503	0	0	0	0	3353	0	14	3367
410 IMP MEAT MILK EGG PR	17	29.8	30.9	4795	164	0	0	0	0	0	4959	40	0	4999
411 IMP NON FOOD ANML PR	10	11.5	11.9	2041	0	577	0	0	0	0	2618	0	0	2618
412 MKT QUAL ANIMAL PROD	8	10.0	9.5	1501	10	0	0	0	0	0	1511	0	0	1511
SUBTOTAL		563.5	758.1	91535	6667	2455	0	0	1461	0	102118	661	1819	104597
SERIES 500														
501 IMP GRADES & STANDS	17	17.4	31.7	3136	43	8	0	0	0	0	3237	0	0	3237
502 MKTG TIMBER PRODUCTS	3	0.6	1.4	101	90	0	0	0	144	0	335	0	0	335
503 MKTG EFF AGRI PRODS	21	16.5	11.5	2445	389	0	0	0	0	97	2931	19	0	2950
506 SPLY DEMAND AND PRIC	38	68.4	0.0	8075	485	0	0	0	0	189	8749	57	44	8850
507 COMP REL IN AGRIC	8	13.4	0.0	2338	83	0	0	0	0	0	2471	0	0	2471
508 DOMESTIC MKT DEVELP	5	2.2	0.0	261	76	4	0	0	0	0	341	0	0	341
509 PERFORMANCE MKTG SYS	17	36.5	0.8	4948	256	17	0	0	0	68	5288	133	0	5421
510 GROUP ACT MKT POWER	5	5.3	0.9	595	68	78	0	0	0	0	741	0	0	741
511 IMP AGRIC STATISTICS	2	0.0	0.0	0	103	0	0	0	0	0	103	0	0	103
512 IMP GRADES FRST PROD	8	8.9	9.6	804	552	230	0	0	0	0	1586	67	16	1669
513 PRICE ANAL FRST PROD	13	18.5	25.2	2329	0	0	0	0	513	0	2842	108	9	2959
SUBTOTAL		187.8	81.1	25131	2144	337	0	0	657	355	28624	383	69	29077
SERIES 600														
601 FGN MKT DEVELP	61	116.4	1.1	12545	2874	4	0	0	0	275	15699	17	0	15716
602 EVAL FGN FOOD AID PGM	1	0.7	0.0	91	0	0	0	0	0	0	91	0	0	91
603 TECH AID DEV CNTY	4	1.6	0.9	216	10	0	0	0	0	0	225	0	0	225
604 FRD DVLPMT/MKTG FRGN	9	4.6	5.5	736	113	0	0	0	0	0	849	0	0	849
SUBTOTAL		123.4	7.5	13538	2997	4	0	0	0	275	16864	17	0	16881
SERIES 700														
701 TOX RES IN FOOD	59	18.5	36.8	4548	2642	50	0	0	0	0	7240	13	0	7253
702 FOOD PROT FROM TOX	52	80.1	95.2	14118	1158	2	0	0	0	13	15291	36	0	15327
703 FOOD CONSUMP HABITS	16	15.7	11.2	1814	81	236	0	0	0	46	2178	0	0	2178
706 CONTR INSECTS AFF MAN	27	20.1	24.9	3132	159	125	0	0	0	0	3465	82	0	3547
707 TRANS ANIML MAN DIS	6	0.8	0.6	105	0	0	0	0	0	0	105	25	0	130
708 HUMAN NUTRITION	158	93.9	146.8	26049	1593	20678	0	0	0	5	48325	60	2	48387
709 REDUCE HAZ HLTH & SFTY	23	22.7	46.1	4807	3	107	0	0	0	0	4917	414	0	5330
SUBTOTAL		251.8	361.7	54623	5635	21198	0	0	0	64	81520	629	2	82151

NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 800														
801 RURAL HOUSING	4	5.2	18.4	947	0	0	0	0	0	0	947	0	65	1012
802 INDIV & FAM DEC MAKING	8	4.5	8.4	561	19	12	0	0	0	0	592	0	0	592
803 RURAL POVERTY	2	0.0	0.0	0	52	0	0	0	0	0	52	0	0	52
804 ECON POTENT RURL PEO	12	10.9	0.0	1399	133	335	0	0	0	0	1867	0	0	1867
805 COMMUNICAT EDUC PROC	5	1.7	0.0	218	7	50	0	0	0	0	275	0	0	275
806 ADJUSTMENT TO CHANGE	7	5.8	0.0	1207	19	0	0	0	0	0	1226	0	0	1226
807 AGRIC ECONOMIC CHANGE	34	42.9	0.0	5063	257	0	0	0	0	0	5320	0	0	5320
808 GOVT PROGRAMS	15	16.6	0.0	1731	301	0	0	0	0	0	2032	0	0	2032
SUBTOTAL		87.6	26.8	11126	788	397	0	0	0	0	12311	0	65	12376
SERIES 900														
901 ALLEV POLLUTION	103	57.6	95.7	10734	2383	1008	0	0	1732	0	15857	348	26	16231
902 OUTDOOR RECREATION	18	18.8	16.8	2128	9	0	0	0	444	0	2582	138	90	2809
903 MULTI USE FOREST POTEN	17	16.3	40.1	1583	0	0	0	0	161	0	1743	394	16	2153
904 WLDLFE AND FISH ECOL	89	60.5	127.2	11214	4593	327	0	0	969	0	17103	723	26	17853
905 TREES BEAUTIFICATION	20	7.6	76.0	4041	11	0	0	0	0	0	4052	17	1	4069
906 ORNAMENT & TURF DEV	63	22.9	50.1	4405	644	18	0	0	0	0	5067	7	72	5146
907 RURAL INCOME IMP	10	7.5	0.0	956	299	65	0	0	0	0	1330	0	0	1330
908 RURAL INSTITUT IMP	13	13.9	0.0	1696	118	0	0	0	0	0	1815	0	0	1815
990 UNCLASSIFIED	10	4.0	13.0	5809	0	0	0	0	0	0	5809	0	0	5809
SUBTOTAL		209.0	418.8	42576	8057	1418	0	0	3306	0	55357	1626	232	57215
SCIENCE IN SERV OF MAN GRAND TOTAL		3942.4	6447.3	680905	70185	50480	0	0	16386	694	818649	11528	6068	836245

AGRICULTURAL COOPERATIVE SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
4600 FARM COOPERATIVES	5	7.5	1.4	842	0	95	0	0	0	0	937	0	0	937
TOTAL		7.5	1.4	842	0	95	0	0	0	0	937	0	0	937

AGRICULTURAL COOPERATIVE SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 500														
509 PERFORMANCE MKTG SYS	2	2.2	0.5	247	0	17	0	0	0	0	263	0	0	263
510 GROUP ACT MKT POWER	3	5.3	0.9	595	0	78	0	0	0	0	673	0	0	673
SUBTOTAL		7.5	1.4	842	0	95	0	0	0	0	937	0	0	937
SCIENCE IN SERV OF MAN														
GRAND TOTAL		7.5	1.4	842	0	95	0	0	0	0	937	0	0	937

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA CN GT	OTHER	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
0100 SOIL AND LAND	180	133.2	230.2	24430	363	266	0	0	0	0	25059	370	32	25461	
0200 WATER	181	103.1	167.7	18512	192	326	0	0	0	0	19031	941	26	19998	
0300 WATERSHEDS RIVER BAS	69	50.2	106.1	8777	5	468	0	0	0	0	9250	155	7	9413	
0600 TIMBER FORST PRODUCT	43	20.1	56.1	3823	5	113	0	0	0	0	3941	53	1	3995	
0700 RANGE	87	75.3	134.8	11735	30	44	0	0	0	0	11859	1049	36	12945	
0800 WILDLIFE AND FISH	16	11.7	18.7	2155	7	467	0	0	0	0	2629	14	0	2643	
0900 CITRUS SUB TROP FRUT	96	86.3	159.6	16000	661	340	0	0	0	0	17000	165	73	17239	
1000 FRUIT NUTS DECIDUOUS	181	129.0	252.9	23378	631	204	0	0	0	0	24214	537	317	25067	
1100 POTATOES	63	38.6	68.7	8033	257	52	0	0	0	0	8343	0	13	8356	
1200 VEGETABLES	215	141.2	230.1	24189	64	129	0	0	0	0	24341	153	55	24548	
1300 ORNAMENTALS TURF	59	23.8	91.0	6387	11	18	0	0	0	0	6416	7	70	6493	
1400 CORN	218	172.2	215.4	26018	462	6	0	0	0	0	26486	41	205	26732	
1500 GRAIN SORGHUM	44	15.5	19.6	3044	34	0	0	0	0	0	3079	15	34	3128	
1600 RICE	39	17.6	26.6	3196	476	8	0	0	0	0	3680	5	0	3686	
1700 WHEAT	185	136.8	180.5	20829	251	134	0	0	0	0	21214	78	34	21326	
1800 OTHER SMALL GRAINS	81	41.0	44.3	6324	180	6	0	0	0	0	6510	56	8	6574	
1900 PASTURE	39	24.8	48.1	4798	11	0	0	0	0	0	4809	0	0	4809	
2000 FORAGE CROPS	154	113.8	166.3	19520	34	54	0	0	0	0	19608	1	2	19612	
2100 COTTON	156	177.4	333.0	31669	120	186	0	0	0	0	31975	125	458	32558	
2200 COTTONSEED	14	16.3	20.6	2453	0	0	0	0	0	0	2453	3	0	2456	
2300 SOYBEANS	197	166.8	216.6	25567	351	0	0	0	0	0	25918	126	144	26187	
2400 PEANUTS	45	36.1	45.5	5173	50	16	0	0	0	0	5240	3	9	5251	
2500 OTHER OILSEED CROPS	34	14.9	25.5	2833	194	0	0	0	0	0	3027	6	0	3033	
2600 TOBACCO	32	25.4	46.7	5324	0	12	0	0	0	0	5336	0	6	5342	
2700 SUGAR CROPS	40	39.1	94.7	7105	25	587	0	0	0	0	7717	0	677	8394	
2800 MISC NEW CROPS	50	38.1	49.5	5334	61	25	0	0	0	0	5420	878	24	6322	
2900 POULTRY	100	94.8	176.9	18349	15	360	0	0	0	0	18724	37	207	18968	
3000 BEEF CATTLE	186	153.1	291.8	30270	115	310	0	0	0	0	30694	207	32	30933	
3100 DAIRY CATTLE	147	120.7	252.8	25602	52	148	0	0	0	0	25802	130	2	25934	
3200 SWINE	99	84.0	160.9	22901	0	231	0	0	0	0	23132	7	0	23139	
3300 SHEEP AND WOOL	66	36.9	67.1	8136	45	25	0	0	0	0	8206	4	0	8210	
3400 OTHER ANIMALS	20	10.7	9.5	1064	0	198	0	0	0	0	1261	21	0	1282	
3500 BEES AND HONEY	23	27.2	40.9	3938	0	0	0	0	0	0	3988	35	2	4025	
3800 FOOD	43	36.0	43.3	8770	23	167	0	0	0	0	8960	50	0	9010	
3900 HOUSING & EQUIP	8	1.5	2.6	307	0	125	0	0	0	0	431	0	0	431	
4000 PEOPLE AS INDIVIDUALS	145	81.8	141.3	22508	191	20305	0	0	0	0	43004	133	2	43139	
6100 WEEDS	61	34.9	47.2	6069	0	4	0	0	0	0	6072	81	22	6175	
6200 SEED RESEARCH	8	8.3	9.5	1140	7	0	0	0	0	0	1147	1	0	1148	
6300 BIO CELL SYSTEMS	18	12.1	14.8	1769	0	0	0	0	0	0	1769	6	0	1775	
6500 INVERTEBRATES	71	72.9	104.5	11249	15	0	0	0	0	0	11264	75	84	11423	
6600 MICROORGANISMS VIRUSES	66	46.1	63.5	5942	73	12	0	0	0	0	6028	140	80	6247	
6700 PLANTS	137	83.3	129.9	14167	234	431	0	0	0	0	14831	784	341	15956	
6800 ANIMALS(VERTEBRATES)	10	7.7	8.3	1180	0	0	0	0	0	0	1180	36	0	1216	
7000 RSCH EQUIP & TECHNOLOG	19	14.6	23.0	2898	0	15	0	0	0	0	2913	0	0	2913	
9900 UNCLASSIFIED	10	4.0	13.0	5809	0	0	0	0	0	0	5809	0	0	5809	
TOTAL		2778.8	4649.5	508733	5245	25795	0	0	0	0	539773	6525	3004	549302	

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA CN GT	OTHER SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 100														
101 APPRAIS OF SOIL RESOR	15	7.4	13.3	1363	9	0	0	0	0	0	1372	60	3	1435
102 SOIL PLNT WTR NUTRI	145	147.1	251.9	26650	35	63	0	0	0	0	26748	248	101	27097
103 MGMT OF SALINE SOILS	11	9.2	15.3	1835	0	35	0	0	0	0	1870	43	0	1913
104 ALTERN USE OF LAND	5	0.9	2.3	191	1	0	0	0	0	0	192	20	2	214
105 CONSERV USE OF WATER	100	73.3	126.2	12260	13	61	0	0	0	0	12334	635	50	13018
106 DRAIN AND IRRIGATION	16	20.5	29.6	3287	31	0	0	0	0	0	3318	113	0	3431
107 WATERSHED PROT & MGMT	87	89.9	173.4	16048	213	936	0	0	0	0	17197	266	21	17485
109 WEATHER ADAPT & MOD	16	7.7	11.4	1154	278	10	0	0	0	0	1442	88	0	1531
110 APPRAIS FORST & RANGS	1	0.5	0.0	0	0	0	0	0	0	0	0	27	0	27
112 IMPROV RANGE RESOR	37	35.3	64.2	6363	30	9	0	0	0	0	6402	14	17	6433
113 REMOTE SENSING	19	15.0	21.9	3016	0	57	0	0	0	0	3073	386	0	3459
SUBTOTAL		406.9	709.7	72166	611	1172	0	0	0	0	73949	1899	194	76043
SERIES 200														
201 CNTRL FORST INSECTS	31	12.6	16.6	1648	12	113	0	0	0	0	1773	36	0	1809
202 CONTROL FOREST DIS	4	1.6	3.1	132	0	0	0	0	0	0	132	0	0	132
204 CNTR PESTS FRT & VEGS	132	78.8	182.3	15570	38	290	0	0	0	0	15898	379	69	16345
205 CNTR DISE FRT & VEG	138	79.8	138.4	12607	1021	125	0	0	0	0	13753	341	76	14170
206 CNTR WEEDS FRT & VEG	27	9.9	24.6	1821	0	0	0	0	0	0	1821	96	0	1917
207 CNTR PESTS FLD CROPS	173	167.2	258.9	25361	119	62	0	0	0	0	25541	1148	585	27274
208 CNTR DIS FIELD CROPS	163	116.5	172.2	17894	156	52	0	0	0	0	18103	114	197	18414
209 CNTR WEEDS FLD CROPS	104	77.7	103.0	12769	59	25	0	0	0	0	12853	155	43	13051
210 CONTR PESTS ANIMALS	49	60.1	121.4	8269	0	151	0	0	0	0	8419	84	0	8503
211 CONTR DIS ANIMALS	97	138.2	301.8	34409	56	658	0	0	0	0	35123	319	185	35627
212 CNTR INTER PARASITES	25	29.3	87.3	6812	0	22	0	0	0	0	6834	0	19	6852
213 PROT ANMLS FROM TOXINS	14	29.4	41.4	4725	0	0	0	0	0	0	4725	0	0	4725
214 PROTECT FROM POLLUTION	23	18.4	24.1	3252	115	0	0	0	0	0	3367	76	1	3444
SUBTOTAL		819.4	1475.0	145268	1576	1497	0	0	0	0	148341	2748	1174	152263
SERIES 300														
304 IMP BIO EFF FRT & VEGS	143	85.8	177.9	17950	479	216	0	0	0	0	18645	23	110	18778
305 MECH PROD FRT & VEGS	7	3.1	5.2	635	0	22	0	0	0	0	658	1	0	659
306 PROD MGMT SYS F & V	5	1.0	2.0	222	0	0	0	0	0	0	222	0	0	222
307 IMP BIO EFF FLD CRP	334	281.6	418.3	47827	1063	727	0	0	0	0	49617	334	778	50729
308 MECH PROD FIELD CROPS	15	13.7	17.5	1930	160	25	0	0	0	0	2115	4	0	2119
309 PROD MGMT SYS FLD CRP	63	36.9	56.3	6350	41	0	0	0	0	0	6391	0	1	6392
310 ANIMAL REPRODUCTION	45	29.9	62.5	7475	37	4	0	0	0	0	7516	0	0	7516
311 IMP BIO EFF ANML PR	125	92.2	199.0	23011	97	429	0	0	0	0	23537	5	23	23566
312 ENV STRESS IN ANMI PR	15	9.7	12.6	1918	0	9	0	0	0	0	1926	0	0	1926
313 PROD MGMT SYS ANMI PR	13	8.3	6.8	1341	0	0	0	0	0	0	1341	0	0	1341
314 BFRS OTH POLLNTNG INS	23	27.2	40.9	3988	0	0	0	0	0	0	3988	35	2	4025
318 NON COM BIO TECH/EIMET	140	142.3	205.6	21603	72	318	0	0	0	0	21994	287	307	22587
SUBTOTAL		731.8	1204.7	134252	1950	1749	0	0	0	0	137951	688	1221	139861
SERIES 400														
402 PROD F & V IMP ACCEPT	56	30.3	36.7	4625	53	6	0	0	0	0	4685	11	73	4769
403 NEW & IMP F & V PROD	17	27.8	23.2	3827	37	0	0	0	0	0	3864	0	0	3864
404 MKT QUAL FRTS & VEGS	77	84.2	107.8	12776	91	78	0	0	0	0	12945	140	202	13288
405 PROD FLD CROP IMP ACPT	106	89.1	131.4	13804	202	17	0	0	0	0	14023	34	20	14076
406 NEW IMP FOOD FLD CROP	21	36.1	45.6	5982	0	0	0	0	0	0	5982	0	3	5985
407 NEW IMP NON FOOD PC	54	89.8	136.7	15289	25	70	0	0	0	0	15365	17	0	15401
408 MKT QUAL FIELD CROPS	47	54.7	72.0	7821	62	0	0	0	0	0	7883	46	1	7930
409 PROD ANML PR IMP ACCP	15	13.4	27.7	2609	25	0	0	0	0	0	2634	0	14	2648
410 IMP MEAT MILK EGG PR	16	29.8	30.9	4795	0	0	0	0	0	0	4795	40	0	4835
411 IMP NON FOOD ANML PR	9	11.5	11.9	2041	0	462	0	0	0	0	2503	0	0	2503
412 MKT QUAL ANIMAL PROD	8	10.0	9.5	1501	10	0	0	0	0	0	1511	0	0	1511
SUBTOTAL		476.7	633.4	75072	506	632	0	0	0	0	76210	288	313	76810
SERIES 500														
501 IMP GRADES & STANDS	16	17.4	31.7	3186	2	8	0	0	0	0	3196	0	0	3196
503 MKTG EFF AGRI PRODS	10	5.9	11.5	1022	50	0	0	0	0	0	1072	19	0	1090
508 DOMESTIC MKT DEVELP	1	0.0	0.0	0	0	4	0	0	0	0	4	0	0	4
SUBTOTAL		23.3	43.1	4207	52	12	0	0	0	0	4272	19	0	4291
SERIES 600														
601 FGN MKT DEVELP	7	0.8	1.1	109	0	4	0	0	0	0	114	17	0	131
603 TECH AID DEV CRTY	1	0.3	0.9	103	0	0	0	0	0	0	103	0	0	103
604 PRD DVLPMT/MKTG FRGN	5	3.6	5.5	617	0	0	0	0	0	0	617	0	0	617
SUBTOTAL		4.8	7.5	829	0	4	0	0	0	0	834	17	0	851
SERIES 700														
701 TOX RES IN FOOD	21	17.5	36.8	4390	0	0	0	0	0	0	4390	13	0	4403
702 FOOD PROT FROM TOX	45	79.0	95.2	13959	0	2	0	0	0	0	13961	36	0	13997
703 FOOD CONSUMP HABITS	5	5.9	9.7	1053	0	0	0	0	0	0	1053	0	0	1053
706 CONTR INSECTS AFF MAN	23	20.1	24.9	3182	0	125	0	0	0	0	3307	82	0	3388
707 TRANS ANIML MAN DIS	6	0.8	0.6	105	0	0	0	0	0	0	105	25	0	130
708 HUMAN NUTRITION	136	80.6	138.7	25116	214	20460	0	0	0	0	45790	60	2	45852
709 REDUCE HAZ HLTH & SFTY	22	22.7	46.1	4807	0	107	0	0	0	0	4914	414	0	5327
SUBTOTAL		226.6	352.1	52612	214	20694	0	0	0	0	73519	629	2	74150

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G CA SAES	OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 800														
802 INDIV & FAM DEC MAKING	5	4.0	8.4	513	0	12	0	0	0	0	525	0	0	525
SUBTOTAL		4.0	8.4	513	0	12	0	0	0	0	525	0	0	525
SERIES 900														
901 ALLEV POLLUTION	55	42.9	62.8	8074	318	0	0	0	0	0	8392	201	26	8619
904 WLDLFE AND FISH ECOL	11	10.1	15.4	1777	7	5	0	0	0	0	1789	14	0	1802
905 TREES BEAUTIFICATION	17	6.4	74.3	3873	11	0	0	0	0	0	3883	17	1	3901
906 ORNAMENT & TURF DEV	52	22.0	50.1	4280	0	18	0	0	0	0	4298	7	72	4377
990 UNCLASSIFIED	10	4.0	13.0	5809	0	0	0	0	0	0	5809	0	0	5809
SUBTOTAL		85.4	215.6	23812	336	23	0	0	0	0	24171	238	99	24508
SCIENCE IN SERV OF MAN														
GRAND TOTAL		2778.8	4649.5	508733	5245	25795	0	0	0	0	539773	6525	3004	549302

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G CA SAES	OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APER	OTHER FED FUND	NON-FED FUND	TOTAL
0100 SOIL AND LAND	27	0.0	0.0	0	1665	0	0	0	0	0	1665	0	0	1665
0200 WATER	17	0.0	0.0	0	960	958	0	0	0	0	1918	0	0	1918
0300 WATERSHEDS RIVER BAS	2	0.0	0.0	0	55	0	0	0	0	0	55	0	0	55
0500 RECREATION RESOURCES	1	0.0	0.0	0	9	0	0	0	0	0	9	0	0	9
0600 TIMBER FORST PRODUCT	20	0.0	0.0	0	4034	0	0	0	0	0	4034	0	0	4034
0700 RANGE	17	0.0	0.0	0	497	68	0	0	0	0	565	0	0	565
0800 WILDLIFE AND FISH	19	0.0	0.0	0	4339	718	0	0	0	0	5058	0	0	5058
0900 CITRUS SUB TROP FRUT	23	0.0	0.0	0	910	0	0	0	0	0	910	0	0	910
1000 FRUIT NUTS DECIDUOUS	24	0.0	0.0	0	1730	0	0	0	0	0	1730	0	0	1730
1100 POTATOES	37	0.0	0.0	0	1909	0	0	0	0	0	1909	0	0	1909
1200 VEGETABLES	63	0.0	0.0	0	2699	56	0	0	0	0	2755	0	0	2755
1300 ORNAMENTALS TURF	10	0.0	0.0	0	578	0	0	0	0	0	578	0	0	578
1400 CORN	15	0.0	0.0	0	2107	0	0	0	0	0	2107	0	0	2107
1500 GRAIN SORGHUM	3	0.0	0.0	0	154	0	0	0	0	0	154	0	0	154
1600 RICE	2	0.0	0.0	0	189	0	0	0	0	0	189	0	0	189
1700 WHEAT	28	0.0	0.0	0	1385	0	0	0	0	0	1385	0	0	1385
1800 OTHER SMALL GRAINS	7	0.0	0.0	0	217	0	0	0	0	0	217	0	0	217
1900 PASTURE	5	0.0	0.0	0	61	0	0	0	0	0	61	0	0	61
2000 FORAGE CROPS	28	0.0	0.0	0	689	0	0	0	0	0	689	0	0	689
2100 COTTON	6	0.0	0.0	0	480	0	0	0	0	0	480	0	0	480
2300 SOYBEANS	12	0.0	0.0	0	930	0	0	0	0	0	930	0	0	930
2400 PEANUTS	3	0.0	0.0	0	70	0	0	0	0	0	70	0	0	70
2500 OTHER OILSEED CROPS	5	0.0	0.0	0	1373	0	0	0	0	0	1373	0	0	1373
2600 TOBACCO	1	0.0	0.0	0	16	0	0	0	0	0	16	0	0	16
2700 SUGAR CROPS	2	0.0	0.0	0	93	0	0	0	0	0	93	0	0	93
2800 MISC NEW CROPS	11	0.0	0.0	0	817	50	0	0	0	0	867	0	0	867
2900 POULTRY	17	0.0	0.0	0	1650	25	0	0	0	0	1675	0	0	1675
3000 BEEF CATTLE	49	0.0	0.0	0	2683	150	0	0	0	0	2833	0	0	2833
3100 DAIRY CATTLE	32	0.0	0.0	0	1832	0	0	0	0	0	1832	0	0	1832
3200 SWINE	10	0.0	0.0	0	915	0	0	0	0	0	915	0	0	915
3300 SHEEP AND WOOL	10	0.0	0.0	0	474	0	0	0	0	0	474	0	0	474
3400 OTHER ANIMALS	8	0.0	0.0	0	505	0	0	0	0	0	505	0	0	505
3600 FARM SUPP & FACILITS	2	0.0	0.0	0	37	0	0	0	0	0	37	0	0	37
3800 FOOD	10	0.0	0.0	0	1265	0	0	0	0	0	1265	0	0	1265
3900 HOUSING & EQUIP	4	0.0	0.0	0	162	0	0	0	0	0	162	0	0	162
4000 PEOPLE AS INDIVIDUALS	6	0.0	0.0	0	308	0	0	0	0	0	308	0	0	308
4100 FAMILY MEMBERS	2	0.0	0.0	0	446	0	0	0	0	0	446	0	0	446
4200 FARM AS BUSINESS	4	0.0	0.0	0	308	0	0	0	0	0	308	0	0	308
4300 SOC POLIT ORGANIZ	6	0.0	0.0	0	491	0	0	0	0	0	491	0	0	491
4400 AGRIC ECONOMY U S	4	0.0	0.0	0	754	0	0	0	0	0	754	0	0	754
4500 AGRIC ECONOMY FORGN	5	0.0	0.0	0	716	0	0	0	0	0	716	0	0	716
4600 FARM COOPERATIVES	1	0.0	0.0	0	27	0	0	0	0	0	27	0	0	27
4800 MARKETING SYSTEMS	5	0.0	0.0	0	165	0	0	0	0	0	165	0	0	165
6100 WEEDS	6	0.0	0.0	0	111	0	0	0	0	0	111	0	0	111
6300 BIO CELL SYSTEMS	1	0.0	0.0	0	73	0	0	0	0	0	73	0	0	73
6400 EXP DESIGN/STAT MTHOD	1	0.0	0.0	0	6	0	0	0	0	0	6	0	0	6
6500 INVERTEBRATES	14	0.0	0.0	0	404	0	0	0	0	0	404	0	0	404
6600 MICROORGANISMS VIRUSES	10	0.0	0.0	0	534	0	0	0	0	0	534	0	0	534
6700 PLANTS	44	0.0	0.0	0	4009	0	0	0	0	0	4009	0	0	4009
6800 ANIMALS(VERTEBRATES)	20	0.0	0.0	0	830	0	0	0	0	0	830	0	0	830
6900 RESEARCH ON RSCH MGMT	4	0.0	0.0	0	85	0	0	0	0	0	85	0	0	85
7000 RSCH EQUIP & TECHNOLOG	7	0.0	0.0	0	562	479	0	0	0	0	1041	0	0	1041
TOTAL		0.0	0.0	0	47320	2504	0	0	0	0	49824	0	0	49824

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 100														
101 APPRAIS OF SOIL RESOR	8	0.0	0.0	0	375	0	0	0	0	0	375	0	0	375
102 SOIL PLNT WTR NUTRI	17	0.0	0.0	0	778	0	0	0	0	0	778	0	0	778
103 MGMT OF SALINE SOILS	2	0.0	0.0	0	62	0	0	0	0	0	62	0	0	62
104 ALTERN USE OF LAND	1	0.0	0.0	0	142	0	0	0	0	0	142	0	0	142
105 CONSERV USE OF WATER	7	0.0	0.0	0	346	0	0	0	0	0	346	0	0	346
106 DRAIN AND IRRIGATION	2	0.0	0.0	0	25	0	0	0	0	0	25	0	0	25
107 WATERSHED PROT & MGMT	4	0.0	0.0	0	198	0	0	0	0	0	198	0	0	198
110 APPRAIS FORST & RANGS	1	0.0	0.0	0	43	0	0	0	0	0	43	0	0	43
111 BIOL CULT MGMT FORSTS	3	0.0	0.0	0	148	0	0	0	0	0	148	0	0	148
112 IMPROV RANGE RESOR	9	0.0	0.0	0	302	68	0	0	0	0	370	0	0	370
113 REMOTE SENSING	1	0.0	0.0	0	119	0	0	0	0	0	119	0	0	119
114 RSCH ON MGMT OF RSCH	4	0.0	0.0	0	85	0	0	0	0	0	85	0	0	85
SUBTOTAL		0.0	0.0	0	2622	68	0	0	0	0	2690	0	0	2690
SERIES 200														
201 CNTRL FORST INSECTS	1	0.0	0.0	0	25	0	0	0	0	0	25	0	0	25
204 CNTR PESTS FRT & VEGS	41	0.0	0.0	0	1011	0	0	0	0	0	1011	0	0	1011
205 CNTR DISE FRT & VEG	50	0.0	0.0	0	1793	0	0	0	0	0	1793	0	0	1793
206 CNTR WEEDS FRT & VEG	11	0.0	0.0	0	180	0	0	0	0	0	180	0	0	180
207 CNTR PESTS FLD CROPS	47	0.0	0.0	0	1684	0	0	0	0	0	1684	0	0	1684
208 CNTR DIS FIELD CROPS	31	0.0	0.0	0	965	0	0	0	0	0	965	0	0	965
209 CNTR WEEDS FLD CROPS	20	0.0	0.0	0	804	0	0	0	0	0	804	0	0	804
210 CONTR PESTS ANIMALS	13	0.0	0.0	0	883	0	0	0	0	0	883	0	0	883
211 CONTR DIS ANIMALS	48	0.0	0.0	0	3775	175	0	0	0	0	3950	0	0	3950
212 CNTR INTER PARASITES	6	0.0	0.0	0	493	0	0	0	0	0	493	0	0	493
213 PROT ANMLS FROM TOXINS	6	0.0	0.0	0	254	0	0	0	0	0	254	0	0	254
214 PROTECT FROM POLLUTION	12	0.0	0.0	0	1164	0	0	0	0	0	1164	0	0	1164
SUBTOTAL		0.0	0.0	0	13032	175	0	0	0	0	13207	0	0	13207
SERIES 300														
301 GENET BREED FORST TRE	1	0.0	0.0	0	25	0	0	0	0	0	25	0	0	25
302 IMP FOREST ENG SYS	2	0.0	0.0	0	406	0	0	0	0	0	406	0	0	406
303 ECON TIMBER PRODUCTN	2	0.0	0.0	0	215	0	0	0	0	0	215	0	0	215
304 IMP BIO EFF FRT & VEGS	30	0.0	0.0	0	1842	56	0	0	0	0	1898	0	0	1898
305 MECH PRCD FRT & VEGS	1	0.0	0.0	0	63	0	0	0	0	0	63	0	0	63
306 PROD MGMT SYS F & V	4	0.0	0.0	0	281	0	0	0	0	0	281	0	0	281
307 IMP BIO EFF FLD CRP	18	0.0	0.0	0	1100	0	0	0	0	0	1100	0	0	1100
308 MECH PROD FIELD CROPS	2	0.0	0.0	0	57	0	0	0	0	0	57	0	0	57
309 PROD MGMT SYS FLD CRP	6	0.0	0.0	0	146	0	0	0	0	0	146	0	0	146
310 ANIMAL REPRODUCTION	4	0.0	0.0	0	270	0	0	0	0	0	270	0	0	270
311 IMP BIO EFF ANML PR	11	0.0	0.0	0	472	0	0	0	0	0	472	0	0	472
312 ENV STRESS IN ANML PR	2	0.0	0.0	0	94	0	0	0	0	0	94	0	0	94
313 PROD MGMT SYS ANML PR	4	0.0	0.0	0	387	0	0	0	0	0	387	0	0	387
315 IMP STRUC FARM SUPP	2	0.0	0.0	0	65	0	0	0	0	0	65	0	0	65
316 FARM BUSINESS MGMT	3	0.0	0.0	0	160	0	0	0	0	0	160	0	0	160
318 NON COM BIO TECH/EIMET	12	0.0	0.0	0	2301	479	0	0	0	0	2780	0	0	2780
SUBTOTAL		0.0	0.0	0	7883	535	0	0	0	0	8418	0	0	8418
SERIES 400														
401 NEW IMP FOREST PRCD	8	0.0	0.0	0	1319	0	0	0	0	0	1319	0	0	1319
402 PROD F & V IMP ACCEPT	13	0.0	0.0	0	512	0	0	0	0	0	512	0	0	512
403 NEW & IMP F & V PROD	2	0.0	0.0	0	64	0	0	0	0	0	64	0	0	64
404 MKT QUAL FRTS & VEGS	9	0.0	0.0	0	709	0	0	0	0	0	709	0	0	709
405 PROD FLD CROP IMP ACPT	3	0.0	0.0	0	104	0	0	0	0	0	104	0	0	104
406 NEW IMP FOOD FLD CROP	3	0.0	0.0	0	1379	0	0	0	0	0	1379	0	0	1379
407 NEW IMP NON FOOD FC	8	0.0	0.0	0	1692	50	0	0	0	0	1742	0	0	1742
408 MKT QUAL FIELD CROPS	1	0.0	0.0	0	1	0	0	0	0	0	1	0	0	1
409 PROD ANML PR IMP ACCP	3	0.0	0.0	0	216	503	0	0	0	0	719	0	0	719
410 IMP MEAT MILK EGG PR	1	0.0	0.0	0	164	0	0	0	0	0	164	0	0	164
SUBTOTAL		0.0	0.0	0	6161	553	0	0	0	0	6713	0	0	6713
SERIES 500														
501 IMP GRADES & STANDS	1	0.0	0.0	0	41	0	0	0	0	0	41	0	0	41
502 MKTG TIMBER PRODUCTS	1	0.0	0.0	0	90	0	0	0	0	0	90	0	0	90
503 MKTG EFF AGRI PRODS	5	0.0	0.0	0	339	0	0	0	0	0	339	0	0	339
506 SPLY DEMAND AND PRIC	5	0.0	0.0	0	485	0	0	0	0	0	485	0	0	485
507 COMP REL IN AGRIC	2	0.0	0.0	0	83	0	0	0	0	0	83	0	0	83
508 DOMESTIC MKT DEVELP	1	0.0	0.0	0	76	0	0	0	0	0	76	0	0	76
509 PERFORMANCE MKTG SYS	4	0.0	0.0	0	256	0	0	0	0	0	256	0	0	256
510 GROUP ACT MKT POWER	2	0.0	0.0	0	68	0	0	0	0	0	68	0	0	68
511 IMP AGRIC STATISTICS	2	0.0	0.0	0	103	0	0	0	0	0	103	0	0	103
512 IMP GRADES FRST PROD	1	0.0	0.0	0	552	0	0	0	0	0	552	0	0	552
SUBTOTAL		0.0	0.0	0	2092	0	0	0	0	0	2092	0	0	2092
SERIES 600														
601 FGN MKT DEVELP	12	0.0	0.0	0	2874	0	0	0	0	0	2874	0	0	2874
603 TECH AID DEV CRTY	1	0.0	0.0	0	10	0	0	0	0	0	10	0	0	10
604 PRD DVLPMT/MKTG FRGN	3	0.0	0.0	0	113	0	0	0	0	0	113	0	0	113
SUBTOTAL		0.0	0.0	0	2997	0	0	0	0	0	2997	0	0	2997
SERIES 700														
701 TOX RES IN FOOD	36	0.0	0.0	0	2642	0	0	0	0	0	2642	0	0	2642
702 FOOD PROT FROM TOX	6	0.0	0.0	0	1158	0	0	0	0	0	1158	0	0	1158
703 FOOD CONSUMP HABITS	1	0.0	0.0	0	81	0	0	0	0	0	81	0	0	81
706 CONTR INSECTS AFF MAN	4	0.0	0.0	0	159	0	0	0	0	0	159	0	0	159
708 HUMAN NUTRITION	3	0.0	0.0	0	501	0	0	0	0	0	501	0	0	501
709 REDUCE HAZ HLTH & SFTY	1	0.0	0.0	0	3	0	0	0	0	0	3	0	0	3
SUBTOTAL		0.0	0.0	0	4543	0	0	0	0	0	4543	0	0	4543

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 800														
802 INDIV & FAM DEC MAKING	1	0.0	0.0	0	19	0	0	0	0	0	19	0	0	19
803 RURAL POVERTY	2	0.0	0.0	0	52	0	0	0	0	0	52	0	0	52
804 ECON POTENT RURL PEO	2	0.0	0.0	0	133	0	0	0	0	0	133	0	0	133
805 COMMUNICAT EDUC PROC	2	0.0	0.0	0	7	0	0	0	0	0	7	0	0	7
806 ADJUSTMENT TO CHANGE	1	0.0	0.0	0	19	0	0	0	0	0	19	0	0	19
807 AGRIC ECONOMIC CHANGE	4	0.0	0.0	0	257	0	0	0	0	0	257	0	0	257
808 GOVT PROGRAMS	3	0.0	0.0	0	301	0	0	0	0	0	301	0	0	301
SUBTOTAL		0.0	0.0	0	788	0	0	0	0	0	788	0	0	788
SERIES 900														
901 ALLEV POLLUTION	21	0.0	0.0	0	2065	958	0	0	0	0	3023	0	0	3023
902 OUTDOOR RECREATION	1	0.0	0.0	0	9	0	0	0	0	0	9	0	0	9
904 WLDLFE AND FISH ECOL	17	0.0	0.0	0	4162	216	0	0	0	0	4378	0	0	4378
906 ORNAMENT & TURF DEV	9	0.0	0.0	0	549	0	0	0	0	0	549	0	0	549
907 RURAL INCOME IMP	5	0.0	0.0	0	299	0	0	0	0	0	299	0	0	299
908 RURAL INSTITUT IMP	4	0.0	0.0	0	118	0	0	0	0	0	118	0	0	118
SUBTOTAL		0.0	0.0	0	7202	1173	0	0	0	0	8376	0	0	8376
SCIENCE IN SERV OF MAN														
GRAND TOTAL		0.0	0.0	0	47320	2504	0	0	0	0	49824	0	0	49824

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	FEG IN HOUSE	C G CA SAES	OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
0400 AIR AND CLIMATE	1	0.0	0.0	0	36	0	0	0	0	0	36	0	0	36
0600 TIMBER FORST PRODUCT	10	0.0	0.0	0	330	726	0	0	0	0	1056	0	0	1056
0800 WILDLIFE AND FISH	2	0.0	0.0	0	424	0	0	0	0	0	424	0	0	424
0900 CITRUS SUB TROP FRUT	2	0.0	0.0	0	50	200	0	0	0	0	250	0	0	250
1100 POTATOES	3	0.0	0.0	0	270	120	0	0	0	0	390	0	0	390
1200 VEGETABLES	5	0.0	0.0	0	262	200	0	0	0	0	462	0	0	462
1300 ORNAMENTALS TURF	1	0.0	0.0	0	95	0	0	0	0	0	95	0	0	95
1400 CORN	16	0.0	0.0	0	375	1253	0	0	0	0	1628	0	0	1628
1500 GRAIN SORGHUM	1	0.0	0.0	0	0	150	0	0	0	0	150	0	0	150
1600 RICE	1	0.0	0.0	0	120	0	0	0	0	0	120	0	0	120
1700 WHEAT	5	0.0	0.0	0	250	120	0	0	0	0	370	0	0	370
1800 OTHER SMALL GRAINS	3	0.0	0.0	0	218	20	0	0	0	0	238	0	0	238
2000 FORAGE CROPS	1	0.0	0.0	0	158	0	0	0	0	0	158	0	0	158
2300 SOYBEANS	10	0.0	0.0	0	421	599	0	0	0	0	1020	0	0	1020
2900 POULTRY	4	0.0	0.0	0	100	602	0	0	0	0	702	0	0	702
3000 BEEF CATTLE	17	0.0	0.0	0	1896	1321	0	0	0	0	3217	0	0	3217
3100 DAIRY CATTLE	8	0.0	0.0	0	788	413	0	0	0	0	1201	0	0	1201
3200 SWINE	11	0.0	0.0	0	1343	579	0	0	0	0	1922	0	0	1922
3300 SHEEP AND WOOL	4	0.0	0.0	0	392	421	0	0	0	0	813	0	0	813
3400 OTHER ANIMALS	7	0.0	0.0	0	356	741	0	0	0	0	1097	0	0	1097
4000 PEOPLE AS INDIVIDUALS	6	0.0	0.0	0	402	0	0	0	0	0	402	0	0	402
6300 BIO CELL SYSTEMS	7	0.0	0.0	0	50	590	0	0	0	0	640	0	0	640
6500 INVERTEBRATES	49	0.0	0.0	0	1559	1924	0	0	0	0	3483	0	0	3483
6600 MICROORGANISMS VIRUSES	67	0.0	0.0	0	3056	2614	0	0	0	0	5670	0	0	5670
6700 PLANTS	89	0.0	0.0	0	4144	4947	0	0	0	0	9091	0	0	9091
6800 ANIMALS (VERTEBRATES)	5	0.0	0.0	0	525	415	0	0	0	0	940	0	0	940
TOTAL		0.0	0.0	0	17620	17955	0	0	0	0	35576	0	0	35576

COMPETITIVE RESEARCH GRANTS OFFICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 100														
102 SOIL PLNT WTR NUTRI	1	0.0	0.0	0	0	70	0	0	0	0	70	0	0	70
103 MGMT OF SALINE SOILS	2	0.0	0.0	0	118	0	0	0	0	0	118	0	0	118
105 CONSERV USE OF WATER	2	0.0	0.0	0	48	30	0	0	0	0	78	0	0	78
109 WEATHER ADAPT & MOD	1	0.0	0.0	0	36	0	0	0	0	0	36	0	0	36
SUBTOTAL		0.0	0.0	0	202	100	0	0	0	0	302	0	0	302
SERIES 200														
201 CNTRL FORST INSECTS	5	0.0	0.0	0	150	333	0	0	0	0	483	0	0	483
202 CONTROL FOREST DIS	3	0.0	0.0	0	220	0	0	0	0	0	220	0	0	220
205 CNTR DISE FRT & VEG	1	0.0	0.0	0	150	0	0	0	0	0	150	0	0	150
206 CNTR WEEDS FRT & VEG	2	0.0	0.0	0	25	65	0	0	0	0	90	0	0	90
211 CONTR DIS ANIMALS	13	0.0	0.0	0	1311	1515	0	0	0	0	2826	0	0	2826
214 PROTECT FROM POLLUTION	2	0.0	0.0	0	50	120	0	0	0	0	170	0	0	170
SUBTOTAL		0.0	0.0	0	1906	2033	0	0	0	0	3939	0	0	3939
SERIES 300														
304 IMP BIO EFF FRT & VEGS	11	0.0	0.0	0	644	520	0	0	0	0	1164	0	0	1164
307 IMP BIO EFF FLD CRP	35	0.0	0.0	0	1811	1892	0	0	0	0	3703	0	0	3703
310 ANIMAL REPRODUCTION	26	0.0	0.0	0	2707	1926	0	0	0	0	4633	0	0	4633
311 IMP BIO EFF ANML PR	10	0.0	0.0	0	1422	566	0	0	0	0	1988	0	0	1988
318 NON CON BIO TECH/EIMET	186	0.0	0.0	0	7532	10819	0	0	0	0	18351	0	0	18351
SUBTOTAL		0.0	0.0	0	14116	15722	0	0	0	0	29838	0	0	29838
SERIES 400														
405 PROD FLD CROP IMP ACPT	1	0.0	0.0	0	0	30	0	0	0	0	30	0	0	30
SUBTOTAL		0.0	0.0	0	0	30	0	0	0	0	30	0	0	30
SERIES 700														
708 HUMAN NUTRITION	11	0.0	0.0	0	878	70	0	0	0	0	948	0	0	948
SUBTOTAL		0.0	0.0	0	878	70	0	0	0	0	948	0	0	948
SERIES 900														
904 WLDLFE AND FISH ECOL	2	0.0	0.0	0	424	0	0	0	0	0	424	0	0	424
906 ORNAMENT & TURF DEV	1	0.0	0.0	0	95	0	0	0	0	0	95	0	0	95
SUBTOTAL		0.0	0.0	0	519	0	0	0	0	0	519	0	0	519
SCIENCE IN SERV OF MAN														
GRAND TOTAL		0.0	0.0	0	17620	17955	0	0	0	0	35576	0	0	35576

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
0100 SOIL AND LAND	18	23.5	0.0	2805	0	0	0	0	0	0	2805	0	0	2805
0200 WATER	14	13.2	0.0	1678	0	0	0	0	0	0	1678	0	0	1678
0300 WATERSHEDS RIVER BAS	3	1.8	0.0	220	0	0	0	0	0	0	220	0	0	220
0500 RECREATION RESOURCES	1	0.5	0.0	59	0	0	0	0	0	0	59	0	0	59
0800 WILDLIFE AND FISH	1	1.2	0.0	137	0	0	0	0	0	61	198	0	0	198
0900 CITRUS SUB TROP FRUT	1	1.7	0.0	250	0	0	0	0	0	0	250	0	0	250
1000 FRUIT NUTS DECIDUOUS	1	1.7	0.0	250	0	0	0	0	0	0	250	0	0	250
1100 POTATOES	1	3.5	0.0	417	0	0	0	0	0	16	433	0	0	433
1200 VEGETABLES	1	0.9	0.0	104	0	0	0	0	0	4	108	0	0	108
1300 ORNAMENTALS TURF	1	0.9	0.0	125	0	0	0	0	0	0	125	0	0	125
1400 CORN	3	3.3	0.0	458	0	0	0	0	0	11	469	0	0	469
1500 GRAIN SORGHUM	3	1.4	0.0	189	0	0	0	0	0	7	196	0	0	196
1600 RICE	3	1.6	0.0	205	0	0	0	0	0	7	213	0	0	213
1700 WHEAT	3	4.2	0.0	535	0	0	0	0	0	19	554	0	0	554
1800 OTHER SMALL GRAINS	4	1.9	0.0	255	0	0	0	0	0	7	262	0	0	262
1900 PASTURE	1	0.4	0.0	58	0	0	0	0	0	0	58	0	0	58
2000 FORAGE CROPS	2	1.1	0.0	133	0	0	0	0	0	7	141	0	0	141
2100 COTTON	4	5.4	0.0	669	0	0	0	0	0	7	676	76	0	752
2200 COTTONSEED	2	0.8	0.0	100	0	0	0	0	0	0	100	0	0	100
2300 SOYBEANS	4	4.5	0.0	544	0	0	0	0	0	7	552	76	0	628
2400 PEANUTS	2	0.9	0.0	118	0	0	0	0	0	0	118	0	0	118
2500 OTHER OILSEED CROPS	3	1.7	0.0	219	0	0	0	0	0	0	219	38	0	257
2600 TOBACCO	1	3.3	0.0	359	0	0	0	0	0	0	369	0	0	369
2700 SUGAR CROPS	1	4.9	0.0	714	0	0	0	0	0	0	714	0	0	714
2800 MISC NEW CROPS	1	2.1	0.0	255	0	0	0	0	0	114	369	0	0	369
2900 POULTRY	1	4.6	0.0	590	0	0	0	0	0	0	590	0	0	590
3000 BEEF CATTLE	2	8.4	0.0	1309	0	0	0	0	0	0	1309	0	40	1349
3100 DAIRY CATTLE	2	7.5	0.0	858	0	0	0	0	0	0	858	0	0	858
3200 SWINE	2	6.4	0.0	880	0	0	0	0	0	0	880	0	0	880
3300 SHEEP AND WOOL	2	1.6	0.0	191	0	0	0	0	0	0	191	0	4	195
3500 BEES AND HONEY	1	1.2	0.0	179	0	0	0	0	0	0	179	0	0	179
3600 FARM SUPP & FACILITS	3	7.0	0.0	852	0	0	0	0	0	0	852	0	0	852
3800 FOOD	6	15.7	0.0	2563	0	0	0	0	0	79	2642	0	0	2642
4000 PEOPLE AS INDIVIDUALS	6	5.4	0.0	1007	0	0	0	0	0	0	1007	0	0	1007
4100 FAMILY MEMBERS	8	8.7	0.0	1436	0	0	0	0	0	0	1436	0	0	1436
4200 FARM AS BUSINESS	6	7.0	0.0	1009	0	0	0	0	0	0	1009	0	0	1009
4300 SOC POLIT ORGANIZ	16	28.8	0.0	3424	0	0	0	0	0	0	3424	0	0	3424
4400 AGRIC ECONOMY U S	45	79.9	0.0	8834	0	0	0	0	0	79	8913	0	0	8913
4500 AGRIC ECONOMY FORGN	40	110.0	0.0	11685	0	0	0	0	0	266	11951	0	0	11951
4800 MARKETING SYSTEMS	4	18.6	0.0	2718	0	0	0	0	0	0	2718	0	0	2718
6700 PLANTS	2	3.0	0.0	283	0	0	0	0	0	0	283	0	0	283
6900 RESEARCH ON RSCH MGMT	1	0.5	0.0	68	0	0	0	0	0	0	68	0	0	68
TOTAL		400.7	0.0	48749	0	0	0	0	0	694	49443	190	44	49677

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	FEG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 100														
102 SOIL PLNT WTR NUTRI	4	2.0	0.0	243	0	0	0	0	0	0	243	0	0	243
104 ALTERN USE OF LAND	16	26.8	0.0	3300	0	0	0	0	0	0	3300	0	0	3300
105 CONSERV USE OF WATER	4	2.3	0.0	256	0	0	0	0	0	0	256	0	0	256
108 ECON LEG PROB OF WAT	3	7.4	0.0	903	0	0	0	0	0	0	903	0	0	903
114 RSCH ON MGMT OF RSCH	1	0.5	0.0	68	0	0	0	0	0	0	68	0	0	68
SUBTOTAL		39.1	0.0	4771	0	0	0	0	0	0	4771	0	0	4771
SERIES 300														
314 BEES OTH POLLNTNG INS	1	1.2	0.0	179	0	0	0	0	0	0	179	0	0	179
316 FARM BUSINESS MGMT	4	4.3	0.0	664	0	0	0	0	0	0	664	0	0	664
SUBTOTAL		5.5	0.0	843	0	0	0	0	0	0	843	0	0	843
SERIES 500														
503 MKTG EFF AGRI PRODS	6	10.7	0.0	1424	0	0	0	0	0	97	1521	0	0	1521
506 SPLY DEMAND AND PRIC	33	68.4	0.0	8075	0	0	0	0	0	189	8264	57	44	8365
507 COMP REL IN AGRIC	6	13.4	0.0	2388	0	0	0	0	0	0	2388	0	0	2388
508 DOMESTIC MKT DEVELP	3	2.2	0.0	261	0	0	0	0	0	0	261	0	0	261
509 PERFORMANCE MKTG SYS	10	34.1	0.0	4681	0	0	0	0	0	68	4749	133	0	4882
SUBTOTAL		128.8	0.0	16828	0	0	0	0	0	355	17183	190	44	17417
SERIES 600														
601 FGN MKT DEVELP	42	115.6	0.0	12435	0	0	0	0	0	275	12710	0	0	12710
602 EVAL FGN FOOD AID PGM	1	0.7	0.0	91	0	0	0	0	0	0	91	0	0	91
603 TECH AID DEV CRTY	2	1.3	0.0	113	0	0	0	0	0	0	113	0	0	113
604 PRD DVLPMT/MKTG FRGN	1	1.0	0.0	119	0	0	0	0	0	0	119	0	0	119
SUBTOTAL		118.6	0.0	12758	0	0	0	0	0	275	13033	0	0	13033
SERIES 700														
701 TOX RES IN FOOD	1	1.0	0.0	158	0	0	0	0	0	0	158	0	0	158
702 FOOD PROT FROM TOX	1	1.1	0.0	159	0	0	0	0	0	13	172	0	0	172
703 FOOD CONSUMP HABITS	3	4.2	0.0	542	0	0	0	0	0	46	588	0	0	588
708 HUMAN NUTRITION	1	0.5	0.0	64	0	0	0	0	0	5	69	0	0	69
SUBTOTAL		6.8	0.0	923	0	0	0	0	0	64	987	0	0	987
SERIES 800														
802 INDIV & FAM DEC MAKING	1	0.3	0.0	36	0	0	0	0	0	0	36	0	0	36
804 ECON POTENT RURL REG	8	10.9	0.0	1399	0	0	0	0	0	0	1399	0	0	1399
805 COMMUNICAT EDUC PROC	2	1.7	0.0	218	0	0	0	0	0	0	218	0	0	218
806 ADJUSTMENT TO CHANGE	6	5.8	0.0	1207	0	0	0	0	0	0	1207	0	0	1207
807 AGRIC ECONOMIC CHANGE	30	42.9	0.0	5063	0	0	0	0	0	0	5063	0	0	5063
808 GOVT PROGRAMS	12	16.6	0.0	1731	0	0	0	0	0	0	1731	0	0	1731
SUBTOTAL		78.2	0.0	9654	0	0	0	0	0	0	9654	0	0	9654
SERIES 900														
902 OUTDOOR RECREATION	1	0.5	0.0	59	0	0	0	0	0	0	59	0	0	59
904 WLDLFE AND FISH ECOL	1	1.0	0.0	127	0	0	0	0	0	0	127	0	0	127
906 ORNAMENT & TURF DEV	1	0.9	0.0	125	0	0	0	0	0	0	125	0	0	125
907 RURAL INCOME IMP	3	7.5	0.0	966	0	0	0	0	0	0	966	0	0	966
908 RURAL INSTITUT IMP	9	13.9	0.0	1696	0	0	0	0	0	0	1696	0	0	1696
SUBTOTAL		23.7	0.0	2972	0	0	0	0	0	0	2972	0	0	2972
SCIENCE IN SERV OF MAN														
GRAND TOTAL		400.7	0.0	48749	0	0	0	0	0	694	49443	190	44	49677

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
0100 SOIL AND LAND	19	13.3	34.9	2033	0	0	0	0	835	0	2865	120	3	2988
0200 WATER	9	8.2	13.0	1177	0	0	0	0	64	0	1240	21	0	1261
0300 WATERSHEDS RIVER BAS	51	42.5	115.5	7167	0	0	0	0	604	0	7772	384	77	8233
0400 AIR AND CLIMATE	10	5.1	11.7	830	0	0	0	0	288	0	1118	109	0	1226
0500 RECREATION RESOURCES	17	19.4	20.6	2343	0	0	0	0	524	0	2867	138	99	3104
0600 TIMBER FORST PRODUCT	451	571.8	1405.5	94519	0	0	0	0	12602	0	107121	3043	2605	112769
0700 RANGE	36	21.3	46.6	3005	0	0	0	0	295	0	3300	282	149	3730
0800 WILDLIFE AND FISH	62	47.3	116.2	9005	0	0	0	0	1116	0	10122	715	23	10860
3900 HOUSING & EQUIP	4	5.2	18.4	947	0	0	0	0	0	0	947	0	65	1012
4800 MARKETING SYSTEMS	1	0.2	0.3	20	0	0	0	0	0	0	20	0	0	20
6500 INVERTEBRATES	3	1.6	1.8	256	0	0	0	0	7	0	263	1	0	264
6900 RESEARCH ON RSCH MGMT	3	1.0	2.3	181	0	0	0	0	52	0	233	0	0	233
TOTAL		736.8	1786.8	121431	0	0	0	0	16386	0	137867	4813	3020	145700

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA CN	OTHER GT	SP FD 015	SP FD 010	FOREST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 100															
102 SOIL PLNT WTR NUTRI	23	21.0	34.2	2530	0	0	0	0	99	0	2629	111	6	2746
104 ALTERN USE OF LAND	3	1.0	3.4	227	0	0	0	0	0	0	227	34	0	262
105 CONSERV USE OF WATER	1	0.8	3.3	185	0	0	0	0	14	0	199	21	0	219
107 WATERSHED PROT & MGMT	50	46.4	132.5	7849	0	0	0	0	516	0	8365	330	77	8772
109 WEATHER ADAPT & MOD	3	1.9	4.6	222	0	0	0	0	0	0	222	0	1	224
110 APPRAIS FORST & RANGS	30	47.9	362.4	13017	0	0	0	0	1016	0	14033	494	31	14558
111 BIOL CULT MGMT FORSTS	139	157.6	367.1	21663	0	0	0	0	2078	0	23742	642	567	24951
112 IMPROV RANGE RESOR	17	10.2	17.4	1492	0	0	0	0	115	0	1607	114	9	1730
113 REMOTE SENSING	1	0.0	0.0	0	0	0	0	0	361	0	361	0	0	361
114 RSCH ON MGMT OF RSCH	3	1.0	2.3	181	0	0	0	0	52	0	233	0	0	233
SUBTOTAL		287.7	927.3	47356	0	0	0	0	4251	0	51617	1747	691	54055
SERIES 200															
201 CNTRL FORST INSECTS	64	73.6	143.4	11315	0	0	0	0	2939	0	14254	65	22	14341
202 CONTROL FOREST DIS	52	43.7	101.4	8002	0	0	0	0	1024	0	9026	225	247	9498
203 FOREST FIRE PROTECT	31	37.3	64.9	5721	0	0	0	0	622	0	6343	140	274	6757
207 CNTR PESTS FLD CROPS	1	0.0	0.3	3	0	0	0	0	0	0	3	22	0	24
208 CNTR DIS FIELD CROPS	2	0.8	2.0	100	0	0	0	0	0	0	100	27	0	128
214 PROTECT FROM POLLUTION	7	12.8	19.0	3632	0	0	0	0	1398	0	5030	19	0	5049
SUBTOTAL		168.3	331.0	28773	0	0	0	0	5983	0	34756	499	543	35797
SERIES 300															
301 GENET BREED FORST TRE	26	24.7	72.2	4370	0	0	0	0	241	0	4611	335	32	4979
302 IMP FOREST ENG SYS	15	20.8	48.7	2848	0	0	0	0	166	0	3014	60	18	3092
303 ECON TIMBER PRODUCTN	21	15.3	24.8	1668	0	0	0	0	320	0	1988	235	8	2231
SUBTOTAL		60.7	145.7	8886	0	0	0	0	728	0	9614	630	58	10302
SERIES 400															
401 NEW IMP FOREST PROD	69	86.8	124.7	16453	0	0	0	0	1461	0	17924	373	1506	19804
SUBTOTAL		86.8	124.7	16453	0	0	0	0	1461	0	17924	373	1506	19804
SERIES 500															
502 MKTG TIMBER PRODUCTS	2	0.6	1.4	101	0	0	0	0	144	0	245	0	0	245
509 PERFORMANCE MKTG SYS	1	0.2	0.3	20	0	0	0	0	0	0	20	0	0	20
512 IMP GRADES FRST PROD	6	8.9	9.6	804	0	0	0	0	0	0	804	67	16	887
513 PRICE ANAL FRST PROD	13	18.5	25.2	2329	0	0	0	0	513	0	2842	108	9	2959
SUBTOTAL		28.2	36.5	3254	0	0	0	0	657	0	3911	175	25	4111
SERIES 800															
801 RURAL HOUSING	4	5.2	18.4	947	0	0	0	0	0	0	947	0	65	1012
SUBTOTAL		5.2	18.4	947	0	0	0	0	0	0	947	0	65	1012
SERIES 900															
901 ALLEV POLLUTION	26	14.7	32.9	2650	0	0	0	0	1732	0	4392	147	0	4539
902 OUTDOOR RECREATION	16	18.3	16.8	2070	0	0	0	0	444	0	2514	138	90	2742
903 MULTI USE FOREST POTEN	17	16.3	40.1	1533	0	0	0	0	161	0	1743	394	16	2153
904 WILDLFE AND FISH ECOL	55	49.4	111.7	9311	0	0	0	0	969	0	10279	710	26	11016
905 TREES BEAUTIFICATION	3	1.1	1.7	169	0	0	0	0	0	0	169	0	0	169
SUBTOTAL		99.8	203.2	15732	0	0	0	0	3306	0	19097	1389	132	20618
SCIENCE IN SERV OF MAN															
GRAND TOTAL		736.8	1786.8	121431	0	0	0	0	16386	0	137867	4813	3020	145700

HUMAN NUTRITION INFORMATION SERVICE

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
0800 WILDLIFE AND FISH	1	0.0	0.0	0	0	3	0	0	0	0	3	0	0	3
2200 COTTONSEED	1	0.0	0.0	0	0	3	0	0	0	0	3	0	0	3
2300 SOYBEANS	1	0.0	0.0	0	0	3	0	0	0	0	3	0	0	3
2500 OTHER OILSEED CROPS	1	0.0	0.0	0	0	21	0	0	0	0	21	0	0	21
2900 POULTRY	1	0.0	0.0	0	0	21	0	0	0	0	21	0	0	21
3800 FOOD	10	15.7	9.1	979	0	291	0	0	0	0	1270	0	0	1270
4000 PEOPLE AS INDIVIDUALS	4	2.5	0.5	103	0	15	0	0	0	0	118	0	0	118
4100 FAMILY MEMBERS	2	0.4	0.0	18	0	25	0	0	0	0	43	0	0	43
TOTAL		18.6	9.6	1100	0	384	0	0	0	0	1484	0	0	1484

HUMAN NUTRITION INFORMATION SERVICE

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 700														
703 FOOD CONSUMP HABITS	7	5.6	1.5	219	0	236	0	0	0	0	455	0	0	455
708 HUMAN NUTRITION	7	12.8	8.1	869	0	148	0	0	0	0	1017	0	0	1017
SUBTOTAL		18.4	9.6	1088	0	384	0	0	0	0	1472	0	0	1472
SERIES 800														
802 INDIV & FAM DEC MAKING	1	0.2	0.0	12	0	0	0	0	0	0	12	0	0	12
SUBTOTAL		0.2	0.0	12	0	0	0	0	0	0	12	0	0	12
SCIENCE IN SERV OF MAN GRAND TOTAL		18.6	9.6	1100	0	384	0	0	0	0	1484	0	0	1484

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

TABLE III-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
0100 SOIL AND LAND	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
0200 WATER	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
0600 TIMBER FORST PRODUCT	7	0.0	0.0	0	0	840	0	0	0	0	840	0	0	840
0800 WILDLIFE AND FISH	3	0.0	0.0	0	0	107	0	0	0	0	107	0	0	107
0900 CITRUS SUB TROP FRUT	1	0.0	0.0	0	0	215	0	0	0	0	215	0	0	215
1000 FRUIT NUTS DECIDUCUS	2	0.0	0.0	0	0	94	0	0	0	0	94	0	0	94
1100 POTATOES	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
1200 VEGETABLES	1	0.0	0.0	0	0	175	0	0	0	0	175	0	0	175
1400 CORN	2	0.0	0.0	0	0	273	0	0	0	0	273	0	0	273
1500 GRAIN SORGHUM	1	0.0	0.0	0	0	5	0	0	0	0	5	0	0	5
1700 WHEAT	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
2900 POULTRY	2	0.0	0.0	0	0	240	0	0	0	0	240	0	0	240
3000 BEEF CATTLE	2	0.0	0.0	0	0	255	0	0	0	0	255	0	0	255
3100 DAIRY CATTLE	1	0.0	0.0	0	0	25	0	0	0	0	25	0	0	25
3200 SWINE	2	0.0	0.0	0	0	99	0	0	0	0	99	0	0	99
3400 OTHER ANIMALS	1	0.0	0.0	0	0	115	0	0	0	0	115	0	0	115
3800 FOOD	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
4000 PEOPLE AS INDIVIDUALS	3	0.0	0.0	0	0	285	0	0	0	0	285	0	0	285
4300 SOC POLIT ORGANIZ	2	0.0	0.0	0	0	165	0	0	0	0	165	0	0	165
6200 SEED RESEARCH	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
6700 PLANTS	4	0.0	0.0	0	0	481	0	0	0	0	481	0	0	481
6800 ANIMALS(VERTEBRATES)	1	0.0	0.0	0	0	22	0	0	0	0	22	0	0	22
7000 RSCH EQUIP & TECHNOLOG	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
TOTAL		0.0	0.0	0	0	3746	0	0	0	0	3746	0	0	3746

SMALL BUSINESS INNOVATIVE RESEARCH GRANTS

TABLE III-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YEARS I.H. SYS	STAFF-YEARS SUPPORT OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
SERIES 100														
102 SOIL PLNT WTR NUTRI	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
111 BIOL CULT MGMT FORSTS	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
113 REMOTE SENSING	1	0.0	0.0	0	0	25	0	0	0	0	25	0	0	25
SUBTOTAL		0.0	0.0	0	0	125	0	0	0	0	125	0	0	125
SERIES 200														
204 CNTR PESTS FRT & VEGS	1	0.0	0.0	0	0	44	0	0	0	0	44	0	0	44
205 CNTR DISE FRT & VEG	5	0.0	0.0	0	0	518	0	0	0	0	518	0	0	518
207 CNTR PESTS FLD CROPS	1	0.0	0.0	0	0	44	0	0	0	0	44	0	0	44
208 CNTR DIS FIELD CROPS	2	0.0	0.0	0	0	49	0	0	0	0	49	0	0	49
211 CONTR DIS ANIMALS	2	0.0	0.0	0	0	99	0	0	0	0	99	0	0	99
SUBTOTAL		0.0	0.0	0	0	754	0	0	0	0	754	0	0	754
SERIES 300														
302 IMP FOREST ENG SYS	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
304 IMP BIO EFF FRT & VEGS	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
305 MECH PROD FRT & VEGS	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
307 IMP BIO EFF FLD CRP	2	0.0	0.0	0	0	98	0	0	0	0	98	0	0	98
310 ANIMAL REPRODUCTION	3	0.0	0.0	0	0	442	0	0	0	0	442	0	0	442
312 ENV STRESS IN ANML PR	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
SUBTOTAL		0.0	0.0	0	0	740	0	0	0	0	740	0	0	740
SERIES 400														
401 NEW IMP FOREST PRCD	5	0.0	0.0	0	0	535	0	0	0	0	535	0	0	535
403 NEW & IMP F & V PROD	2	0.0	0.0	0	0	265	0	0	0	0	265	0	0	265
406 NEW IMP FOOD FLD CROP	3	0.0	0.0	0	0	325	0	0	0	0	325	0	0	325
411 IMP NON FOOD ANML PR	1	0.0	0.0	0	0	115	0	0	0	0	115	0	0	115
SUBTOTAL		0.0	0.0	0	0	1240	0	0	0	0	1240	0	0	1240
SERIES 500														
512 IMP GRADES FRST PROD	1	0.0	0.0	0	0	230	0	0	0	0	230	0	0	230
SUBTOTAL		0.0	0.0	0	0	230	0	0	0	0	230	0	0	230
SERIES 700														
701 TOX RES IN FOOD	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
SUBTOTAL		0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
SERIES 800														
804 ECON POTENT RURL PEO	2	0.0	0.0	0	0	335	0	0	0	0	335	0	0	335
805 COMMUNICAT EDUC PROC	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
SUBTOTAL		0.0	0.0	0	0	385	0	0	0	0	385	0	0	385
SERIES 900														
901 ALLEV POLLUTION	1	0.0	0.0	0	0	50	0	0	0	0	50	0	0	50
904 WLDLFE AND FISH ECOL	3	0.0	0.0	0	0	107	0	0	0	0	107	0	0	107
907 RURAL INCOME IMP	2	0.0	0.0	0	0	65	0	0	0	0	65	0	0	65
SUBTOTAL		0.0	0.0	0	0	222	0	0	0	0	222	0	0	222
SCIENCE IN SERV OF MAN GRAND TOTAL		0.0	0.0	0	0	3746	0	0	0	0	3746	0	0	3746

NATIONAL TOTAL USDA RESEARCH AGENCIES

TABLE III-E SUMMARY BY AGENCY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS EXCLUSIVE OF PL-480 AND AID FUNDS

CLASSIFICATION AGENCY	NO OF PROJ	STAFF I.H. SYS	STAFF SUPPORT YEARS OTHER	REG IN HOUSE	C G SAES	CA OTHER CN GT	SP FD 015	SP FD 010	FORST SERV	OTHER USDA	TOTAL USDA APPR	OTHER FED FUND	NON-FED FUND	TOTAL
AGRICULTURAL COOP SERVICE	5	7.5	1.4	842	0	95	0	0	0	0	937	0	0	937
AGRICULTURAL RESEARCH SER	2174	2778.8	4649.5	508733	5245	25795	0	0	0	0	539773	6525	3004	549302
COMPETITIVE RESEARCH GRNT	309	0.0	0.0	0	17620	17955	0	0	0	0	35576	0	0	35576
CSRS SPECIAL GRANTS	437	0.0	0.0	0	47320	2504	0	0	0	0	49824	0	0	49824
ECONOMIC RESEARCH SERVICE	158	400.7	0.0	48749	0	0	0	0	0	694	49443	190	44	49677
U S FOREST SERVICE	567	736.8	1786.8	121431	0	0	0	0	16386	0	137867	4813	3020	145700
HUMAN NUTRITION INFO SERV	10	18.6	9.6	1100	0	384	0	0	0	0	1484	0	0	1484
SMALL BUSINESS INNOV GRNT	37	0.0	0.0	0	0	3746	0	0	0	0	3746	0	0	3746
TOTAL	3697	3942.4	6447.3	680905	70185	50480	0	0	16386	694	818649	11528	6068	836245

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS SYS	STAFF OTHER	HATH /RRP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	1104	341.8	1102.4	7097	469	887	8	564	0	144	9170	2547	7128	37165	2973	4799	5988	69770
0200 WATER	714	228.0	599.8	3596	255	256	0	198	0	100	4405	1639	4769	22053	1070	2579	7160	43676
0300 WATERSHEDS RIVER BAS	158	41.4	121.1	471	419	50	0	176	0	0	1115	616	974	4570	117	502	769	8665
0400 AIR AND CLIMATE	117	32.6	109.0	684	41	28	17	101	0	0	871	191	1300	3647	228	142	426	6805
0500 RECREATION RESOURCES	134	33.9	72.5	298	430	16	0	0	0	0	744	487	689	3340	30	97	557	5945
0600 TIMBER FORST PRODUCT	1492	565.6	1548.7	2439	13015	2887	3643	354	0	67	22410	8336	6144	55841	1840	8580	7344	110495
0700 RANGE	280	103.6	233.4	2048	215	415	0	112	0	0	2790	674	2272	8825	1563	405	1447	17978
0800 WILDLIFE AND FISH	742	290.2	1021.0	2558	1330	2323	158	1451	173	0	7992	2086	10102	28144	1666	3775	9398	63163
0900 CITRUS SUB TROP FRUT	302	117.2	358.6	1378	0	1041	120	53	0	0	2591	1049	525	17194	313	1165	352	23189
1000 FRUIT NUTS DECIDUCUS	958	324.5	1206.9	8281	15	1666	49	511	0	63	10586	1956	1625	45347	2174	4717	3255	69661
1100 POTATOES	328	87.6	366.7	2131	0	1484	94	56	0	0	3766	1641	900	9593	796	1168	1095	18959
1200 VEGETABLES	1344	453.6	1579.1	10729	0	2320	738	2449	0	259	16495	1372	4001	54837	2331	4352	3988	87377
1300 ORNAMENTALS TURF	558	209.4	666.4	4785	5	156	20	200	0	0	5166	376	605	26479	866	3635	1625	38752
1400 CORN	880	203.9	743.4	5070	2	339	1136	324	0	0	6873	1341	3250	22739	1635	5082	2742	43662
1500 GRAIN SORGHUM	291	63.3	225.1	1005	0	94	38	43	0	0	1181	470	2097	7022	954	666	624	13014
1600 RICE	146	50.2	204.0	642	0	80	92	0	0	0	813	222	960	6375	341	1155	1783	11648
1700 WHEAT	702	204.1	618.0	3557	0	767	570	90	0	0	4984	1626	3298	20611	2434	2455	2755	38164
1800 OTHER SMALL GRAINS	357	83.0	286.9	1730	0	62	265	104	0	0	2161	561	1069	8965	701	1829	1343	16629
1900 PASTURE	115	23.3	101.7	920	14	116	0	68	0	0	1119	100	63	2594	386	123	331	4716
2000 FORAGE CROPS	794	206.0	709.5	6195	0	717	181	446	0	0	7539	1106	1575	26077	2269	1764	1331	41661
2100 COTTON	322	102.7	365.2	2397	0	271	113	0	0	0	2781	276	538	13305	1375	1642	1265	21182
2200 COTTONSEED	8	0.8	3.1	23	0	0	0	0	0	0	23	6	4	126	5	34	8	206
2300 SOYBEANS	863	226.8	768.3	5230	0	991	879	2149	0	0	9249	1122	1242	25159	1559	3786	3144	45260
2400 PEANUTS	149	42.1	179.6	742	0	82	0	103	0	0	927	247	706	5595	230	488	573	8767
2500 OTHER OILSEED CROPS	117	33.2	105.1	556	0	201	41	147	0	328	1273	657	285	3098	235	570	397	6516
2600 TOBACCO	151	51.2	192.0	975	0	0	58	0	0	0	1032	102	462	8807	316	304	788	11811
2700 SUGAR CROPS	127	38.6	181.9	983	0	148	0	0	0	110	1241	25	49	4957	280	1075	119	7747
2800 MISC NEW CROPS	177	43.8	172.7	892	0	462	0	69	0	0	1423	618	1402	4813	367	896	479	9996
2900 POULTRY	738	258.8	1011.2	6958	0	1113	1563	614	702	8	10956	455	1829	37813	2748	3641	2806	60248
3000 BEEF CATTLE	1367	482.1	1853.5	10256	5	1602	2600	624	1509	50	16645	3221	8842	64530	21175	6949	3893	125255
3100 DAIRY CATTLE	1197	362.8	1668.0	10489	0	1532	1061	254	1078	25	14439	1520	5224	50570	11947	11441	4373	99514
3200 SWINE	763	207.9	904.1	6372	0	872	1517	970	584	115	10430	1016	1521	30322	7386	3261	4741	58676
3300 SHEEP AND WOOL	384	107.6	405.6	2477	0	498	643	112	288	0	4018	719	3558	12890	3226	1409	870	26691
3400 OTHER ANIMALS	626	215.6	800.9	1482	0	307	554	3499	562	25	6429	103	13777	18698	3496	3032	4911	50446
3500 BEES AND HONEY	43	12.0	39.9	200	0	8	35	0	0	0	243	193	10	1772	92	65	50	2425
3600 FARM SUPP & FACILITS	93	26.6	58.7	435	5	170	0	0	0	0	610	92	152	2658	350	488	264	4613
3700 CLOTHING & TEXTILES	95	26.1	64.7	437	0	0	0	489	0	0	926	50	146	1736	66	226	62	3211
3800 FOOD	419	169.3	524.8	4093	0	1173	425	743	0	248	6683	806	5398	16226	643	4024	1760	35541
3900 HOUSING & EQUIP	146	47.3	121.1	1156	79	13	21	280	0	0	1549	207	92	5030	186	404	426	7894
4000 PEOPLE AS INDIVIDUAL	583	178.7	562.4	2564	59	136	769	2014	3	44	5590	109	4800	13979	1451	1701	2146	29776
4100 FAMILY MEMBERS	282	93.7	169.9	1234	0	36	54	533	0	0	1858	142	1420	5743	365	260	334	10121
4200 FARM AS BUSINESS	203	72.2	142.7	1427	4	188	0	450	0	0	2070	218	131	6235	354	181	218	9407
4300 SOC POLIT ORGANIZ	370	122.2	313.8	2848	76	451	0	1123	0	153	4650	879	2878	9243	514	1029	1214	20007
4400 AGRIC ECONOMY U S	158	56.2	135.8	1184	10	1303	0	52	0	0	2549	523	184	5758	129	475	539	10157
4500 AGRIC ECONOMY FORGN	53	33.0	61.5	164	0	1097	0	0	0	0	1261	192	3976	2086	52	702	576	8846
4600 FARM COOPERATIVES	28	5.6	12.3	122	0	11	0	0	0	0	133	81	9	456	30	89	42	839
4700 OTH MARKET PROCESS	22	5.3	8.3	114	0	9	0	103	0	0	227	51	9	278	35	18	8	627
4800 MARKETING SYSTEMS	69	18.5	43.6	435	0	104	0	303	0	0	842	123	16	1578	48	36	91	2734
6100 WEEDS	131	31.5	116.6	845	3	119	143	36	0	0	1147	172	308	3977	143	845	468	7060
6200 SEED RESEARCH	58	19.5	88.7	337	0	0	0	0	0	0	337	202	275	1838	1980	239	230	5100
6300 BIO CELL SYSTEMS	279	104.6	467.7	1591	20	68	341	156	17	0	2194	118	11076	9772	818	1606	1184	26769
6400 EXP DESIGN/STAT METH	109	41.4	82.6	355	38	0	0	0	0	0	393	1303	665	3433	363	301	518	6976
6500 INVERTEBRATES	484	160.1	446.7	2405	219	139	3469	59	69	113	6473	594	4145	17063	356	1287	795	30713
6600 MICROORGANISMS VIRUS	559	173.8	659.1	2429	43	326	4611	0	73	0	7482	606	11198	17383	592	2620	1050	40932
6700 PLANTS	919	276.8	962.5	4308	10	2090	7059	44	0	47	13558	2643	8434	30045	1211	4238	3021	63149
6800 ANIMALS(VERTEBRATES)	527	250.4	848.4	2093	10	645	683	497	114	0	4048	439	18343	28336	2853	2275	3776	60069
6900 RESEARCH ON RSCH EQM	44	19.4	77.9	833	165	90	0	0	0	0	1089	98	83	13540	583	260	86	15738
7000 RSCH EQUIP & TECHNOL	142	49.7	122.1	538	115	566	65	148	0	0	1432	586	3552	4155	165	411	527	10829
TOTAL		7831.2	26616.7	147594	17071	32525	33843	22871	5171	1899	260980	48911	169687	894423	92413	111298	102064	1679776

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS SYS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	221	81.5	241.5	1476	110	68	0	0	0	1	1655	665	1350	8835	720	1052	1759	16037
102 SOIL PLNT WTR NUTRI	827	282.4	921.7	5475	853	657	174	862	0	50	8070	2145	5997	29844	2893	3738	4713	57402
103 MGMT OF SALINE SOILS	78	24.0	82.5	341	37	4	111	95	0	100	688	123	403	3545	333	386	163	5641
104 ALTERN USE OF LAND	123	26.9	62.0	789	45	52	0	51	0	0	936	171	257	2755	74	110	973	5275
105 CONSERV USE OF WATER	332	98.9	280.4	1552	98	21	39	215	0	1	1924	971	2158	10579	604	1205	934	18374
106 DRAIN AND IRRIGATION	121	49.1	102.2	653	0	23	0	0	0	94	769	132	321	4340	195	487	4511	10755
107 WATERSHED PROT & MGM	178	61.3	163.9	772	425	82	0	0	0	0	1279	1107	1091	5551	277	848	838	10991
108 ECON LEG PROB OF WAT	75	24.0	35.8	358	8	0	0	0	0	0	366	111	594	1846	54	90	53	3114
109 WEATHER ADAPT & MOD	146	45.7	115.4	909	95	65	17	40	0	63	1189	127	2090	3960	259	260	272	8157
110 APPRAIS FORST & RANG	152	43.9	103.5	266	991	20	0	84	0	0	1361	345	1401	3462	259	309	938	8074
111 BIOL CULT MGMT FOREST	402	150.8	416.3	207	3827	200	913	69	0	0	5216	2777	1725	14686	873	1990	2025	29290
112 IMPROV RANGE RESOR	186	60.6	153.8	1306	182	277	0	28	0	0	1793	463	722	6179	1129	213	1034	11533
113 REMOTE SENSING	73	21.2	55.3	235	327	109	0	86	0	0	757	270	789	1918	91	61	171	4058
114 RSCH ON MGMT OF RSCH	44	19.4	77.9	833	165	90	0	0	0	0	1089	98	83	13540	583	260	86	15738
SUBTOTAL			2812.2		7163		1253		0		27093		18980		8343		18469	
		989.6		15171		1669		1529		308		9505		111040		11010		204439
SERIES 200																		
201 CNTRL FORST INSECTS	176	37.9	122.5	469	911	34	1315	0	0	0	2729	923	450	3712	77	324	228	8443
202 CONTROL FOREST DIS	151	36.2	102.7	484	833	3	303	0	0	0	1624	304	333	3730	64	592	225	6871
203 FOREST FIRE PROTECT	14	3.0	6.6	1	47	0	0	0	0	0	47	68	83	182	0	3	75	459
204 CNTR PESTS FRT & VEG	522	141.5	534.1	3592	0	1127	97	137	0	306	5258	807	1160	18641	648	2066	1134	29713
205 CNTR DISE FRT & VEG	745	230.4	837.4	4634	13	1783	303	43	0	0	6776	2208	1211	30531	1089	3089	1966	46869
206 CNTR WEEDS FRT & VEG	171	39.0	135.2	1018	0	93	113	104	0	0	1325	59	270	4873	223	596	208	7554
207 CNTR PESTS FLD CROPS	622	195.7	660.7	4902	0	1437	1005	591	0	0	7935	1335	1198	20601	949	2365	2249	36633
208 CNTR DIS FIELD CROPS	712	225.2	729.7	5248	0	1091	235	69	0	0	6643	1003	2046	25509	928	3749	2830	42708
209 CNTR WEEDS FLD CPCPS	340	108.3	398.5	2882	11	393	124	0	0	0	3410	774	455	12972	1204	2802	2047	23663
210 CONTR PESTS ANIMALS	150	46.9	131.4	815	9	201	0	0	207	0	1232	146	385	5001	333	445	388	7930
211 CONTR DIS ANIMALS	1330	567.1	1918.6	4310	0	3934	2275	353	3523	13	14409	2290	20618	68734	9957	7280	8092	131380
212 CNTR INTER PARASITES	116	34.0	108.4	690	0	302	31	0	157	0	1180	15	853	3625	478	595	296	7041
213 PROT ANMLS FROM TOXI	123	78.4	219.4	547	5	36	30	55	244	0	916	63	4758	6294	1675	1165	2106	16977
214 PROTECT FROM POLLUTI	218	76.4	311.9	1236	357	917	42	259	81	0	2893	2338	6391	7320	273	825	1113	21152
SUBTOTAL			6217.2		2184		5872		4212		56377		40209		17899		22957	
		1820.0		30828		11351		1611		318		12334		211726		25893		387395
SERIES 300																		
301 GENET BREED FORST TR	120	56.2	186.6	234	1229	25	263	227	0	0	1983	455	675	6323	59	886	1327	11707
302 IMP FOREST ENG SYS	49	14.5	41.8	35	253	457	123	0	0	0	868	46	144	1591	77	274	273	3272
303 ECON TIMBER PRODUCTN	72	24.0	59.8	18	850	200	0	0	0	0	1068	142	54	2567	124	252	283	4490
304 IMP BIO EFF FRT & VE	975	344.5	1333.7	7804	0	1697	949	2012	0	0	12463	2077	1889	45637	2495	3415	2919	70896
305 MECH PROD FRT & VEGS	84	24.9	66.0	775	0	18	0	0	0	0	794	9	95	3314	127	278	122	4739
306 PROD MGMT SYS F & V	129	27.4	107.5	607	0	173	0	87	0	0	867	88	53	3419	272	393	180	5273
307 IMP BIO EFF FLD CRP	1315	522.1	2021.5	11215	0	697	3303	1710	0	170	17096	4137	7967	63828	6972	7862	6565	114427
308 MECH PROD FIELD CROP	97	29.4	82.2	733	0	44	0	0	0	88	864	120	60	3669	144	562	302	5721
309 PROD MGMT SYS FLD CR	362	96.6	300.5	2042	0	217	5	258	0	0	2522	294	291	11048	1419	1126	1420	18120
310 ANIMAL REPRODUCTION	610	222.5	1041.8	7061	0	444	3540	1165	280	58	12549	1400	6647	32074	8781	3032	1669	66152
311 IMP BIO EFF ANML PR	1230	503.5	2447.2	15446	0	513	1870	3395	350	0	21575	2273	7708	76821	23328	11614	7437	150756
312 ENV STRESS IN ANML P	187	55.9	192.7	1409	0	29	134	132	96	0	1801	20	688	7226	1940	574	512	12761
313 PROD MGMT SYS ANML P	261	62.6	307.6	1967	0	108	0	5	0	115	2196	76	144	10134	2598	411	814	16374
314 BEES OTH POLLNTNG IN	43	12.0	39.9	200	0	8	35	0	0	0	243	193	10	1772	92	65	50	2425
315 IMP STRUC FARM SURP	96	39.4	92.3	923	0	129	0	0	0	0	1052	219	28	4014	443	396	385	6537
316 FARM BUSINESS MGMT	151	49.8	107.4	921	0	72	0	367	0	0	1359	151	112	4545	294	105	201	6767
317 MECH/STRUCTS ANML PR	27	5.2	15.9	105	0	0	0	0	0	0	105	88	5	845	60	12	22	1136
318 NON COM BIO TECH/BIM	1508	569.4	2031.8	7571	167	7891	2909	156	19	113	21725	1788	37046	55944	3328	7666	4797	132293
SUBTOTAL			10476.1		2499		23139		746		101129		63615		52553		29278	
		2659.9		59067		5619		9515		544		13575		334772		38925		633847
SERIES 400																		
401 NEW IMP FOREST PRCD	275	120.2	308.0	128	1635	1515	1382	0	0	42	4702	631	649	12688	189	2777	1141	22778
402 PROD F & V IMP ACCEP	274	49.4	172.5	974	0	366	0	68	0	0	1409	340	364	7459	244	737	407	10961
403 NEW & IMP F & V PROD	172	59.4	179.8	1138	0	167	0	110	0	0	1416	137	154	6907	374	893	708	10589
404 MKT QUAL FRTS & VEGS	176	59.6	161.8	1533	0	462	0	51	0	0	2046	85	232	7605	104	1103	697	11873
405 PROD FLD CROP IMP AC	270	80.6	338.3	1686	0	112	15	7	0	0	1820	762	1366	10143	1445	1944	1129	18607
406 NEW IMP FOOD FLD CRO	147	42.8	155.3	927	0	4	0	160	0	90	1181	91	373	4818	135	1032	787	8415
407 NEW IMP NON FOOD FC	92	26.6	108.9	386	0	243	229	13	0	90	960	102	368	3366	549	983	171	6500
408 MKT QUAL FIELD CRCPS	87	30.0	74.1	586	0	0	0	242	0	0	828	132	778	2467	98	366	298	4967
409 PROD ANML PR IMP ACC	152	55.3	238.2	1871	0	217	123	86	3	42	2347	124	346	7855	1451	1430	382	13934
410 IMP MEAT MILK EGG PR	243	88.9	318.4	2250	0	47	9	418	3	0	2727	332	675	8429	1431	2085	2194	17873
411 IMP NON FOOD ANML PR	22	7.1	14.0	133	31	2	0	19	0	25	210	0	97	480	3	135	39	965
412 MKT QUAL ANIMAL PROD	82	19.6	64.4	551	0	0	0	0	0	13	564	12	271	2326	94	800	235	4301
SUBTOTAL			2133.5		1667		1763		6		20210		5673		6116		8190	
		639.5		12163		3135		1175		301		2747		74544		14285		131765
SERIES 500																		
501 IMP GRADES & STANDS	51	10.7	28.9	236	0	22	0	0	0	0	258	70	119	1071	81	114	77	1790
502 MKTG TIMBER PRODUCTS	39	12.4	17.7	23	335	178	0	0	0	0	535	252	8	614	12	100	130	1651
503 MKTG EFF AGRI PRODS	146	45.3	82.3	1032	0	219	0	0	0	0	1251	427	486	3676	95	569	380	6885
506 SPLY DEMAND AND PRIC	193	59.8	140.4	1543	0	905	0	228	0	0	2676	389	417	5712	159	467	304	10124
507 COMP REL IN AGRIC	58	10.0	19.7	256	0	69	0	67	0	0	392	15	134	862	38	17	29	1485
508 DOMESTIC MKT DEVELP	58	14.1	33.5	258	0	67	0	263	0	0	588	42	225	1134	48	156	199	2392
509 PERFORMANCE MKTG SYS	147	39.3	85.0	1214	0	105	0	283	0	0	1601	321	43	3219	115	125	117	5542
510 GROUP ACT MKT POWER	21	3.9	8.7	97	0	30	0	0	0	0	127	40	3	337	26	50	9	592
511 IMP AGRIC STATISTICS	40	8.5	19.9	166	18	77	0	0	0	0	261	1222	54	740	49	111	101	2538
512 IMP GRADES FRST PROD	11	1.5	5.2	7	60	145	32	0	0	25	268	2	17	123	35	12	0	458
513 PRICE ANAL FRST PROD	24	7.4	11.5	11	199	0	0	0	0	0	210	131	13	472	6	28	161	1021
SUBTOTAL			452.8		611		32		0		8167		1518		664		1508	
		212.7		4841		1817		841		25		2910		17962		1750		34478
SERIES 600																		
601 FGN MKT DEVELP	118	51.5	119.5	770	46	1549	0	0	0	0	2365	943	2456	4423	103	887	1129	12306
602 EVAL FGN FOOD AID PG	4	1.1	3.0	1	0	0	0	0	0	0	1	39	109	91	0	21	0	260
603 TECH AID DEV CRTY	52	28.0	49.1	112	0	80	0	0	0	0	192	141	7135	1428	39	192	317	9444
604 PRD DVLPMT/MKTG FFGN	29	7.9	24.9	142	52	36	0	0	0	0	229	218	46	709	24	208	202	1638
SUBTOTAL			196.5		97		0		0		2787		9745		167		1648	
		88.6		1024		1665		0		0		1341		6652		1308		23648

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /REF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	131	48.1	142.1	1109	0	2646	0	0	43	105	3903	186	1417	3483	266	249	529	10032
702 FOOD PROT FROM TOX	157	52.2	218.0	1442	0	113	0	179	23	101	1859	180	2544	6508	161	1388	679	13319
703 FOOD CONSUMP HABITS	133	39.5	127.8	720	0	97	0	784	0	0	1602	345	558	2787	183	500	355	6330
704 HOME COMM FOOD SERV	28	8.0	16.9	263	0	0	4	0	0	0	267	0	3	674	19	95	58	1116
705 SEL CARE CLOTH & TEX	83	20.0	56.0	325	0	0	0	476	0	0	802	40	86	1340	49	225	50	2592
706 CONTR INSECTS AFF MA	112	37.5	98.3	676	26	77	0	0	0	0	779	58	601	4689	85	647	284	7144
707 TRANS ANIML MAN DIS	34	12.7	51.2	27	0	0	0	75	3	0	106	6	971	826	243	170	266	2588
708 HUMAN NUTRITION	365	132.5	515.3	2484	3	9	1611	1170	0	44	5322	304	6783	11630	1151	2732	1950	29871
709 REDUCE HAZ HLTH & SF	63	14.8	47.0	280	0	0	0	0	0	0	280	39	580	1646	39	168	111	2863
SUBTOTAL			1272.6		29		1615		69		14919		13541		2196		4281	
		365.4		7327		2943		2684		250		1160		33584		6175		75855
SERIES 800																		
801 RURAL HOUSING	59	13.5	43.5	194	0	0	0	420	0	0	614	61	75	1184	70	86	106	2195
802 INDIV & FAM DEC MAKI	210	64.2	118.8	693	0	19	0	476	0	0	1188	12	450	4112	291	152	313	6519
803 RURAL POVERTY	23	3.3	18.4	47	0	36	0	64	0	0	147	6	28	232	52	68	83	615
804 ECON POTENT RURL REG	96	24.9	55.9	583	17	75	0	791	0	25	1491	9	81	1415	90	6	47	3140
805 COMMUNICAT EDUC PROC	139	52.0	116.4	408	76	4	0	486	0	0	974	41	453	4196	248	305	416	6633
806 ADJUSTMENT TO CHANGE	194	62.9	126.8	1051	0	53	0	414	0	0	1519	210	1056	4139	241	445	221	7831
807 AGRIC ECONOMIC CHANG	153	58.8	116.2	1282	10	228	0	375	0	0	1894	282	128	4932	239	351	539	8365
808 GOVT PROGRAMS	51	14.7	36.6	335	9	268	0	0	0	0	612	144	28	1517	58	60	297	2715
SUBTOTAL			632.6		112		0		0		8439		2300		1289		2021	
		294.4		4592		683		3026		25		766		21727		1472		38014
SERIES 900																		
901 ALLEV POLLUTION	478	169.7	564.0	3316	214	1028	0	350	0	0	4909	1024	3769	20286	696	2910	2511	36105
902 OUTDOOR RECREATION	130	34.1	67.9	301	405	16	0	0	0	0	721	430	636	3260	22	92	526	5688
903 MULTI USE FOREST POT	98	27.7	70.2	143	840	0	0	0	0	0	983	271	692	2338	52	90	534	4961
904 WLDLFE AND FISH ECOL	645	249.8	894.1	2040	1092	2101	154	1509	138	0	7033	1883	8140	24816	1513	3470	8082	54936
905 TREES BEAUTIFICATION	97	21.5	55.2	375	114	2	20	58	0	0	570	124	98	2554	115	165	79	3706
906 ORNAMENT & TURF DEV	511	183.2	597.1	4227	5	154	0	200	0	0	4585	277	537	23411	637	3325	1310	34082
907 RURAL INCOME IMP	118	37.6	77.3	1008	29	138	0	3	0	0	1178	101	126	2827	53	157	199	4642
908 RURAL INSTITUT IMP	151	37.4	97.4	1170	10	203	0	369	0	128	1879	464	107	2924	98	270	471	6215
SUBTOTAL			2423.2		2709		174		138		21859		14106		3186		13712	
		761.1		12579		3642		2489		128		4575		82417		10480		150335
SCIENCE IN SERV OF MAN																		
GRAND TOTAL			26616.7		17071		33849		5171		260980		169687		92413		102064	
		7831.2		147594		32525		22871		1899		48911		894423		111298		1679776

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /RFF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	171	51.4	173.9	1419	56	0	0	0	0	1	1475	178	836	5137	407	669	847	9549
0200 WATER	130	38.1	127.3	675	69	0	0	0	0	1	745	103	559	3282	227	586	747	6249
0300 WATERSHEDS RIVER BAS	30	10.2	25.2	183	11	6	0	0	0	0	199	3	285	1462	13	8	128	2098
0400 AIR AND CLIMATE	19	7.3	31.3	106	19	0	0	0	0	0	125	35	460	1328	94	11	68	2121
0500 RECREATION RESOURCES	18	5.2	11.5	38	74	0	0	0	0	0	113	98	86	465	10	5	56	832
0600 TIMBER FORST PRODUCT	294	125.9	308.1	978	2265	197	564	58	0	0	4063	1200	851	12784	228	2401	1573	23099
0700 RANGE	3	0.0	1.5	5	0	0	0	0	0	0	5	5	0	7	4	0	0	20
0800 WILDLIFE AND FISH	162	60.0	245.5	814	376	348	4	211	21	0	1774	714	1540	3734	407	922	2822	11914
0900 CITRUS SUB TROP FRUT	4	0.3	2.0	4	0	0	0	0	0	0	4	0	72	30	14	5	17	143
1000 FRUIT NUTS DECIDUCUS	209	83.0	339.6	2285	13	470	10	0	0	0	2777	504	295	8236	864	982	1101	14760
1100 POTATOES	95	28.3	165.1	959	0	447	39	0	0	0	1446	595	59	2346	452	403	541	5841
1200 VEGETABLES	229	70.4	326.8	2068	0	317	243	94	0	0	2722	231	509	7507	707	583	1185	13444
1300 ORNAMENTALS TURF	109	33.2	154.7	1107	0	0	20	0	0	0	1128	107	104	4127	189	765	420	6839
1400 CORN	92	26.0	87.3	860	0	0	191	0	0	0	1051	67	185	2510	238	296	362	4709
1500 GRAIN SORGHUM	5	1.0	2.4	24	0	0	0	0	0	0	24	0	1	63	2	8	9	108
1600 RICE	8	0.9	12.7	33	0	0	0	0	0	0	33	0	1	103	15	3	148	302
1700 WHEAT	31	6.9	29.6	197	0	0	15	0	0	0	212	4	76	764	116	40	95	1307
1800 OTHER SMALL GRAINS	23	7.8	26.6	131	0	0	27	0	0	0	158	14	122	591	67	38	47	1038
1900 PASTURE	7	1.7	3.7	97	0	0	0	0	0	0	97	31	2	109	36	0	24	300
2000 FORAGE CROPS	76	21.0	88.4	642	0	195	0	143	0	0	981	64	237	1954	222	167	260	3885
2100 COTTON	2	0.1	0.1	6	0	0	0	0	0	0	6	0	0	11	0	0	0	16
2200 COTTONSEED	1	0.0	0.0	0	0	0	0	0	0	0	0	5	0	2	0	1	0	8
2300 SOYBEANS	55	14.2	31.9	260	0	49	66	434	0	0	810	105	107	1188	113	50	241	2613
2400 PEANUTS	2	0.0	0.6	0	0	0	0	0	0	0	0	16	0	4	1	1	0	21
2500 OTHER OILSEED CROPS	3	1.0	0.6	40	0	0	0	0	0	0	40	0	0	37	0	0	0	77
2600 TOBACCO	19	8.1	9.8	136	0	0	8	0	0	0	144	6	85	1012	10	1	18	1276
2800 MISC NEW CROPS	7	3.9	18.6	4	0	0	0	0	0	0	4	7	372	236	44	0	28	690
2900 POULTRY	173	56.1	231.1	1970	0	143	462	13	166	8	2762	157	636	7342	491	585	1018	12992
3000 BEEF CATTLE	81	20.6	80.4	598	0	49	274	12	38	50	1021	94	206	2178	458	187	214	4357
3100 DAIRY CATTLE	226	64.0	462.8	2480	0	387	229	75	166	25	3362	143	1132	8629	1591	1283	1960	18099
3200 SWINE	54	13.0	58.1	326	0	0	75	0	98	0	499	33	169	1816	190	139	309	3155
3300 SHEEP AND WOOL	49	12.0	51.8	239	0	0	73	0	65	0	382	12	437	1475	389	61	131	2888
3400 OTHER ANIMALS	157	54.5	312.6	210	0	27	218	0	42	0	497	0	4869	3528	1268	409	3008	13579
3500 BEES AND HONEY	6	1.9	13.8	47	0	0	0	0	0	0	47	17	5	138	47	0	3	256
3600 FARM SUPP & FACILITS	21	7.0	15.4	97	0	1	0	0	0	0	98	1	1	647	29	122	138	1036
3700 CLOTHING & TEXTILES	22	1.9	14.0	54	0	0	0	39	0	0	93	0	49	170	50	45	20	426
3800 FOOD	94	37.6	129.9	1201	0	85	23	25	0	206	1543	66	727	2536	239	418	610	6139
3900 HOUSING & EQUIP	35	11.0	37.3	369	19	8	0	27	0	0	423	109	7	1067	70	124	270	2071
4000 PEOPLE AS INDIVIDUAL	179	59.1	307.1	824	27	67	119	30	0	0	1067	5	3032	3979	1237	562	1627	11510
4100 FAMILY MEMBERS	48	14.4	49.3	134	0	0	54	78	0	0	266	95	166	686	256	7	109	1584
4200 FARM AS BUSINESS	16	4.1	17.2	199	0	0	0	0	0	0	199	77	3	349	37	17	3	685
4300 SOC POLIT ORGANIZ	88	26.0	97.8	959	2	65	0	43	0	0	1069	32	85	2006	242	389	336	4159
4400 AGRIC ECONOMY U S	16	3.7	15.8	164	0	0	0	0	0	0	164	45	23	519	29	0	33	813
4500 AGRIC ECONOMY FORGN	10	8.7	7.6	25	0	0	0	0	0	0	25	6	1329	427	6	4	144	1941
4600 FARM COOPERATIVES	4	0.7	1.8	17	0	11	0	0	0	0	28	1	0	34	11	0	4	78
4700 OTH MARKET PROCESS	2	0.8	0.2	0	0	0	0	0	0	0	0	0	0	21	26	7	5	59
4800 MARKETING SYSTEMS	11	2.5	6.7	66	0	11	0	0	0	0	77	1	0	166	14	4	26	288
6100 WEEDS	7	0.9	2.1	40	0	13	0	0	0	0	53	0	27	107	42	4	0	233
6200 SEED RESEARCH	11	2.8	6.0	32	0	0	0	0	0	0	32	5	1	248	13	25	84	409
6300 BIO CELL SYSTEMS	62	26.6	160.5	344	0	0	6	0	0	0	350	0	1982	1436	584	362	653	5366
6400 EXP DESIGN/STAT METH	27	7.1	24.6	102	28	0	0	0	0	0	131	8	107	436	158	59	331	1231
6500 INVERTEBRATES	120	34.2	105.2	590	171	57	1058	0	19	18	1912	207	1153	2394	105	146	156	6074
6600 MICROORGANISMS VIRUS	116	34.0	176.7	596	40	6	1080	0	9	0	1731	141	1519	1920	371	532	275	6489
6700 PLANTS	130	37.8	162.4	976	0	534	706	0	0	0	2216	474	739	2495	376	407	504	7210
6800 ANIMALS(VERTEBRATES)	91	34.9	123.0	455	9	249	144	0	4	0	862	170	2011	1863	528	108	367	5909
6900 RESEARCH ON RSCH MGM	8	2.0	5.9	39	98	23	0	0	0	0	160	0	0	111	13	2	16	303
7000 RSCH EQUIP & TECHNOL	32	15.0	30.6	71	18	10	0	0	0	0	99	142	706	980	100	64	326	2417
TOTAL		1201.2	4933.1	26294	3296	3774	5713	1283	628	308	41301	6134	27967	108733	13452	14019	23415	235020

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	30	12.0	36.0	281	0	0	0	0	0	1	282	16	128	951	195	135	158	1866
102 SOIL PLNT WTR NUTRI	82	24.9	106.5	679	132	0	0	0	0	0	811	284	461	2479	226	306	593	5160
103 MGMT OF SALINE SOILS	1	0.1	0.3	0	0	0	0	0	0	0	0	0	0	25	0	0	0	25
104 ALTERN USE OF LAND	16	4.8	15.7	330	7	0	0	0	0	0	337	0	7	459	2	50	222	1077
105 CONSERV USE OF WATER	18	5.2	13.0	72	42	0	34	0	0	1	149	3	88	376	32	12	58	716
106 DRAIN AND IRRIGATION	8	1.6	6.2	28	0	0	0	0	0	0	28	0	2	208	41	99	2	381
107 WATERSHED PROT & MGM	19	9.1	22.4	183	0	0	0	0	0	0	183	4	248	612	39	28	43	1155
108 ECON LEG PROB OF WAT	8	1.7	1.7	42	0	0	0	0	0	0	42	0	169	132	9	0	3	354
109 WEATHER ADAPT & MOD	21	4.1	23.0	101	11	59	0	0	0	0	172	28	741	507	97	3	26	1574
110 APPRAIS FORST & RANG	27	5.8	13.5	42	139	0	0	0	0	0	181	82	74	344	13	164	39	897
111 BIOL CULT MGMT FOREST	61	24.6	68.6	65	455	114	180	0	0	0	814	87	125	2872	58	435	360	4750
112 IMPROV RANGE RESOR	1	0.0	1.3	1	0	0	0	0	0	0	1	0	0	1	4	0	0	6
113 REMOTE SENSING	15	4.1	7.1	16	39	0	0	0	0	0	55	18	139	500	7	21	92	830
114 RSCH ON MGMT OF RSCH	8	2.0	5.9	39	98	23	0	0	0	0	160	0	0	111	13	2	16	303
SUBTOTAL			321.2		924		214		0		3216		2182		733		1610	
		100.1		1880		196		0		1		521		9579		1254		19095
SERIES 200																		
201 CNTRL FORST INSECTS	52	14.4	38.6	225	399	0	288	0	0	0	912	278	268	1083	16	113	85	2754
202 CONTROL FOREST DIS	38	10.7	25.8	282	226	0	110	0	0	0	617	57	9	867	26	149	22	1747
203 FOREST FIRE PROTECT	2	0.2	0.7	0	24	0	0	0	0	0	24	1	0	10	0	0	6	42
204 CNTR PESTS FRT & VEG	118	34.7	163.6	874	0	259	0	0	0	0	1133	218	469	3178	327	408	461	6194
205 CNTR DISE FRT & VEG	136	44.9	218.8	1061	13	339	75	0	0	0	1488	568	221	4196	531	643	787	8434
206 CNTR WEEDS FRT & VEG	27	7.8	28.9	243	0	44	0	0	0	0	286	14	28	760	100	105	27	1321
207 CNTR PESTS FLD CROPS	67	17.3	50.8	387	0	117	169	174	0	0	847	16	124	1236	133	58	316	2729
208 CNTR DIS FIELD CROPS	53	13.0	42.8	395	0	41	25	0	0	0	461	60	2	1405	133	120	58	2239
209 CNTR WEEDS FLD CROPS	22	6.2	19.7	199	0	19	0	0	0	0	218	61	2	628	97	54	215	1276
210 CONTR PESTS ANIMALS	18	6.9	19.8	124	0	0	0	0	9	0	133	11	69	417	106	44	62	842
211 CONTR DIS ANIMALS	216	71.4	411.2	1019	0	354	198	23	460	13	2065	47	2508	8596	1509	804	2742	18271
212 CNTR INTER PARASITES	13	6.2	23.5	119	0	0	0	0	25	0	144	0	146	297	160	59	101	907
213 PROT ANMLS FROM TOXI	12	9.3	29.8	85	0	0	30	0	0	0	115	0	254	282	101	22	883	1658
214 PROTECT FROM POLLUTI	53	17.1	64.6	374	170	396	30	0	0	0	970	578	199	1410	53	274	449	3932
SUBTOTAL			1138.6		833		925		493		9414		4298		3293		6214	
		260.2		5386		1568		197		13		1908		24366		2852		52345
SERIES 300																		
301 GENET BREED FORST TR	23	13.3	52.7	96	222	0	59	0	0	0	377	174	1	2363	7	207	122	3251
302 IMP FOREST ENG SYS	6	2.0	6.1	0	68	0	0	0	0	0	68	9	9	208	0	45	210	548
303 ECON TIMBER PRODUCTN	9	2.7	2.1	13	100	0	0	0	0	0	114	0	0	76	3	0	11	204
304 IMP BIO EFF FRT & VE	168	58.6	279.5	1583	0	155	262	94	0	0	2094	446	338	6108	542	545	832	10905
305 MECH PROD FRT & VEGS	7	4.5	12.7	342	0	0	0	0	0	0	342	0	0	486	4	22	24	879
306 PROD MGMT SYS F & V	21	5.6	34.6	149	0	0	0	0	0	0	149	2	1	616	71	77	85	1002
307 IMP BIO EFF FLD CRP	115	46.6	161.5	1057	0	65	333	404	0	0	1859	106	1071	3736	434	192	413	7811
308 MECH PROD FIELD CROP	4	1.6	3.3	38	0	0	0	0	0	0	38	0	15	174	0	13	0	240
309 PROD MGMT SYS FLD CR	13	4.4	14.6	216	0	0	0	0	0	0	216	16	24	461	42	23	73	856
310 ANIMAL REPRODUCTION	96	34.9	187.2	980	0	33	853	0	17	58	1940	13	1789	3731	956	172	540	9141
311 IMP BIO EFF ANML PR	196	66.1	345.8	2204	0	61	128	72	72	0	2537	169	3842	8008	1296	1040	894	17786
312 ENV STRESS IN ANML P	16	4.7	16.1	166	0	0	105	0	0	0	273	0	3	673	9	13	111	1081
313 PROD MGMT SYS ANML P	21	7.0	71.6	353	0	0	0	5	0	0	358	19	2	1046	231	50	433	2140
314 BEES OTH POLLNTNG IN	6	1.9	13.8	47	0	0	0	0	0	0	47	17	5	138	47	0	3	256
315 IMP STRUC FARM SUPP	26	12.7	34.4	370	0	0	0	0	0	0	370	105	2	1156	73	156	246	2109
316 FARM BUSINESS MGMT	11	2.1	13.1	88	0	0	0	0	0	0	88	77	3	178	32	17	3	397
317 MECH/STRUCTS ANML PR	1	0.5	2.1	0	0	0	0	0	0	0	0	88	3	61	0	0	0	151
318 NON COM BIO TECH/EIM	322	115.8	543.4	1540	77	4	2345	0	2	18	3985	535	5974	6281	1682	981	1902	21341
SUBTOTAL			1794.4		467		4087		91		14856		13081		5430		5902	
		385.2		9242		317		575		76		1777		35502		3552		80099
SERIES 400																		
401 NEW IMP FOREST PROD	43	36.5	69.2	34	268	24	109	0	0	0	434	98	234	3687	26	932	554	5966
402 PROD F & V IMP ACCEP	30	7.9	20.5	145	0	110	0	0	0	0	255	31	76	728	51	154	66	1361
403 NEW & IMP F & V PROD	24	9.6	36.6	151	0	0	0	0	0	0	151	18	0	1140	193	114	140	1758
404 MKT QUAL FRTS & VEGS	37	11.7	42.0	618	0	21	0	0	0	0	639	21	8	1361	84	164	356	2634
405 PROD FLD CROP IMP AC	14	3.7	20.9	113	0	0	0	0	0	0	113	59	1	476	33	18	110	811
406 NEW IMP FOOD FLD CRO	10	3.6	14.5	80	0	0	0	0	0	0	80	24	0	232	8	48	153	545
407 NEW IMP NON FOOD FC	4	1.0	3.8	14	0	0	0	13	0	0	27	0	1	114	25	4	1	172
408 MKT QUAL FIELD CROPS	3	0.2	1.4	2	0	0	0	0	0	0	2	47	0	20	0	0	0	69
409 PROD ANML PR IMP ACC	19	6.5	41.2	249	0	71	91	0	3	0	415	5	3	865	93	252	63	1697
410 IMP MEAT MILK EGG PR	37	16.4	98.2	464	0	0	0	0	0	0	464	0	136	1088	82	237	923	2930
411 IMP NON FOOD ANML PR	3	1.0	2.0	38	0	0	0	0	0	0	38	0	0	81	1	12	21	153
412 MKT QUAL ANIMAL PROD	10	2.3	5.9	95	0	0	0	0	0	13	108	0	0	217	2	38	27	392
SUBTOTAL			356.3		268		200		3		2725		460		599		2417	
		100.6		2003		227		13		13		303		10011		1973		18487
SERIES 500																		
501 IMP GRADES & STANDS	8	2.3	2.5	12	0	16	0	0	0	0	28	7	0	227	1	0	4	268
502 MKTG TIMBER PRODUCTS	2	0.1	0.1	4	0	0	0	0	0	0	4	0	0	10	0	1	0	15
503 MKTG EFF AGRI PRODS	16	3.6	10.0	99	0	74	0	0	0	0	173	5	5	342	24	2	177	727
506 SPLY DEMAND AND PRIC	28	5.8	22.0	228	0	0	0	0	0	0	228	51	28	664	40	40	73	1123
507 COMP REL IN AGRIC	3	1.1	4.8	47	0	0	0	0	0	0	47	0	2	88	17	0	1	155
508 DOMESTIC MKT DEVELP	7	3.8	5.0	72	0	0	0	0	0	0	72	0	40	165	10	1	89	378
509 PERFORMANCE MKTG SYS	19	7.6	16.4	326	0	32	0	0	0	0	358	4	0	369	49	46	11	837
510 GROUP ACT MKT POWER	5	1.0	1.9	34	0	21	0	0	0	0	55	2	0	52	11	0	4	125
511 IMP AGRIC STATISTICS	7	1.1	2.7	51	17	0	0	0	0	0	68	1	2	62	22	0	51	206
512 IMP GRADES FRST PROD	1	0.3	0.7	0	0	0	32	0	0	0	32	0	0	40	0	0	0	71
513 PRICE ANAL FRST PROD	6	1.7	2.8	11	69	0	0	0	0	0	80	0	0	150	0	18	28	277
SUBTOTAL			69.0		87		32		0		1146		77		175		439	
		28.4		884		143		0		0		69		2169		108		4183
SERIES 600																		
601 FGN MKT DEVELP	14	2.1	9.9	59	0	32	0	0	0	0	91	9	10	151	14	1	46	320
603 TECH AID DEV CRTY	16	10.8	15.5	81	0	0	0	0	0	0	81	48	1339	570	21	47	212	2317
SUBTOTAL			25.4		0		0		0		172		1349		34		257	
		12.9		140		32		0		0		57		720		47		2637

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /REF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	36	19.6	47.2	702	0	711	0	0	0	105	1518	156	15	977	189	65	236	3156
702 FOOD PROT FROM TOX	20	4.7	16.3	244	0	43	0	0	19	101	407	35	115	510	2	153	31	1254
703 FOOD CONSUMP HABITS	24	4.8	46.0	97	0	64	0	31	0	0	192	92	56	368	139	30	80	957
704 HOME COMM FOOD SERV	6	2.0	2.5	32	0	0	4	0	0	0	37	0	0	155	7	49	6	253
705 SEL CARE CLOTH & TEX	17	1.3	11.1	45	0	0	0	27	0	0	72	0	47	128	35	45	20	347
706 CONTR INSECTS AFF HA	32	9.9	14.4	199	0	56	0	0	0	0	255	0	27	804	35	4	83	1207
707 TRANS ANIML MAN DIS	11	9.4	39.0	5	0	0	0	0	0	0	5	0	713	382	239	111	237	1687
708 HUMAN NUTRITION	86	34.5	199.6	830	3	9	236	23	0	0	1101	185	2321	1776	894	304	1216	7798
709 REDUCE HAZ HLTH & SF	12	2.1	15.1	42	0	0	0	0	0	0	42	0	186	423	20	45	2	719
SUBTOTAL		88.5	391.3	2198	3	882	240	81	19	206	3629	468	3480	5524	1560	807	1910	17378
SERIES 800																		
801 RURAL HOUSING	11	2.8	15.7	31	0	0	0	27	0	0	57	0	73	257	50	43	45	525
802 INDIV & FAM DEC MAKI	50	13.6	54.2	110	0	0	0	0	0	0	110	5	214	767	221	6	142	1465
803 RURAL POVERTY	5	0.6	12.5	12	0	0	0	43	0	0	55	0	3	39	38	0	72	208
804 ECON POTENT RURL PEO	17	5.1	8.8	162	0	23	0	30	0	0	215	0	0	215	43	0	0	473
805 COMMUNICAT EDUC PROC	67	14.1	67.5	259	27	4	0	49	0	0	338	5	271	1152	228	254	209	2457
806 ADJUSTMENT TO CHANGE	17	8.2	25.3	135	0	0	0	0	0	0	135	0	101	425	70	0	104	835
807 AGRIC ECONOMIC CHANG	11	5.3	19.4	165	0	0	0	0	0	0	165	1	3	535	97	188	4	992
808 GOVT PROGRAMS	6	1.3	3.3	60	0	0	0	0	0	0	60	0	19	186	1	0	0	267
SUBTOTAL		51.0	206.8	933	27	26	0	149	0	0	1135	11	684	3575	749	492	576	7222
SERIES 900																		
901 ALLEV POLLUTION	145	65.5	192.9	1049	82	14	0	0	0	0	1145	97	811	7814	220	1144	924	12155
902 OUTDOOR RECREATION	15	4.3	8.1	38	60	0	0	0	0	0	99	68	45	401	4	5	55	678
903 MULTI USE FOREST POT	19	5.5	7.7	1	202	0	0	0	0	0	202	19	33	434	6	7	121	824
904 WLDLFE AND FISH ECOL	139	47.5	212.9	702	296	326	0	211	21	0	1556	693	1345	3129	342	836	2322	10222
905 TREES BEAUTIFICATION	17	4.2	10.3	105	47	0	20	58	0	0	230	18	3	367	55	3	12	688
906 ORNAMENT & TURF DEV	100	29.5	143.3	970	0	0	0	0	0	0	970	93	104	3691	184	764	420	6225
907 RURAL INCOME IMP	24	8.0	19.0	393	0	23	0	0	0	0	415	13	12	579	13	57	75	1166
908 RURAL INSTITUT IMP	38	9.8	35.8	371	0	19	0	0	0	0	391	19	1	873	54	117	161	1615
SUBTOTAL		174.4	630.1	3629	687	382	20	269	21	0	5008	1021	2355	17288	878	2934	4090	33574
SCIENCE IN SERV OF MAN GRAND TOTAL		1201.2	4933.1	26294	3296	3774	5713	1283	628	308	41301	6134	27967	108733	13452	14019	23415	235020

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YRS SUP SYS	STAFF-YRS PORT OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	319	101.0	361.5	2095	214	63	0	546	0	0	2918	491	1623	11268	1003	885	2641	20829
0200 WATER	196	57.1	173.2	1099	83	0	0	138	0	0	1380	318	621	6673	317	983	903	11196
0300 WATERSHEDS RIVER BAS	47	13.3	40.2	80	83	44	0	176	0	0	382	58	121	1386	71	317	483	2818
0400 AIR AND CLIMATE	15	1.6	6.8	41	0	0	0	101	0	0	142	42	7	137	16	18	0	364
0500 RECREATION RESOURCES	33	7.9	17.3	76	101	0	0	0	0	0	177	75	123	704	5	47	129	1261
0600 TIMBER FORST PRODUCT	452	191.5	573.0	357	5224	749	880	296	0	0	7506	4106	2099	19217	637	3018	2470	39053
0700 RANGE	52	21.1	79.1	704	0	54	0	0	0	0	758	215	115	2315	837	221	20	4482
0800 WILDLIFE AND FISH	278	127.8	440.4	979	511	1567	42	1240	59	0	4398	540	3301	12536	932	1730	4101	27538
0900 CITRUS SUB TROP FRUT	166	80.0	245.0	997	0	431	80	29	0	0	1535	884	347	10466	210	817	121	14380
1000 FRUIT NUTS DECIDUOUS	319	98.8	392.1	2669	0	589	0	487	0	0	3745	245	251	15489	633	544	530	21436
1100 POTATOES	46	11.6	40.5	251	0	60	0	56	0	0	368	26	549	1615	40	137	61	2796
1200 VEGETABLES	522	207.1	714.7	4139	0	1100	11	2042	0	0	7292	326	1153	25963	1043	1458	1224	38458
1300 ORNAMENTALS TURF	215	99.1	304.4	2310	0	115	0	200	0	0	2625	61	86	13094	358	1202	392	17818
1400 CORN	263	50.7	182.6	892	0	1	243	324	0	0	1460	356	1103	6461	456	617	522	10975
1500 GRAIN SORGHUM	168	37.1	140.7	577	0	90	6	43	0	0	716	172	864	4444	574	347	346	7462
1600 RICE	108	40.4	154.6	540	0	39	0	0	0	0	578	192	852	4536	300	911	1524	8893
1700 WHEAT	211	50.5	178.4	1030	0	52	118	90	0	0	1291	148	366	6621	295	557	397	9675
1800 OTHER SMALL GRAINS	67	13.0	38.0	203	0	0	0	104	0	0	306	24	287	1657	41	141	82	2538
1900 PASTURE	64	17.0	83.5	623	0	43	0	68	0	0	735	35	30	2135	269	87	67	3357
2000 FORAGE CROPS	314	94.7	333.5	2671	0	202	33	303	0	0	3208	194	161	12773	1090	546	442	18414
2100 COTTON	250	82.9	300.7	1875	0	270	113	0	0	0	2258	194	382	10065	1148	1275	1050	16373
2200 COTTONSEED	4	0.3	1.3	1	0	0	0	0	0	0	1	0	0	52	2	32	0	87
2300 SOYBEANS	410	118.4	393.7	2684	0	306	151	1622	0	0	4763	379	497	13716	749	947	1562	22615
2400 PEANUTS	142	40.1	176.4	702	0	82	0	103	0	0	888	231	706	5455	228	473	571	8552
2500 OTHER OILSEED CROPS	13	2.8	10.9	56	0	0	0	147	0	0	203	0	2	223	7	44	22	501
2600 TOBACCO	120	41.2	170.4	819	0	0	0	0	0	0	819	93	61	7509	297	296	755	9831
2700 SUGAR CROPS	74	27.0	139.3	783	0	14	0	0	0	110	907	16	23	3370	232	674	45	5267
2800 MISC NEW CROPS	54	13.2	68.6	456	0	123	0	69	0	0	647	81	132	1516	110	172	8	2665
2900 POULTRY	280	117.8	462.8	2640	0	674	345	601	332	0	4592	211	472	18765	1104	1389	938	27470
3000 BEEF CATTLE	527	180.6	804.8	3971	0	590	636	490	539	0	6227	713	1275	33092	5764	2744	904	50719
3100 DAIRY CATTLE	365	116.8	522.3	3471	0	218	224	178	194	0	4285	277	578	19878	3587	2211	1116	31933
3200 SWINE	225	69.4	260.6	2045	0	67	164	857	88	0	3221	143	251	10474	857	809	455	16211
3300 SHEEP AND WOOL	95	22.9	83.5	613	0	210	0	0	15	0	838	41	227	3282	371	380	142	5280
3400 OTHER ANIMALS	192	80.1	226.4	580	0	217	92	3250	289	0	4428	73	634	8904	727	1005	451	16222
3500 BEES AND HONEY	11	1.8	9.5	11	0	8	33	0	0	0	54	115	1	425	43	9	0	648
3600 FARM SUPP & FACILITS	27	6.8	16.1	118	5	11	0	0	0	0	133	32	45	861	8	43	23	1145
3700 CLOTHING & TEXTILES	30	10.0	21.3	190	0	0	0	434	0	0	624	13	80	602	10	50	14	1391
3800 FOOD	82	35.7	103.6	693	0	11	96	687	0	0	1487	97	395	3787	210	792	267	7034
3900 HOUSING & EQUIP	54	21.6	46.6	518	10	4	0	238	0	0	770	77	34	2044	51	163	100	3238
4000 PEOPLE AS INDIVIDUAL	129	39.3	102.1	653	25	14	231	1767	0	44	2733	41	267	2588	85	161	289	6165
4100 FAMILY MEMBERS	52	13.6	24.0	223	0	0	0	409	0	0	632	0	17	914	14	1	3	1581
4200 FARM AS BUSINESS	83	34.3	74.6	551	0	69	0	412	0	0	1032	24	64	2981	120	85	37	4343
4300 SOC POLIT ORGANIZ	104	42.4	84.6	744	26	173	0	1080	0	0	2023	64	35	2476	118	266	117	5099
4400 AGRIC ECONOMY U S	54	23.2	50.5	427	10	230	0	16	0	0	683	182	13	2220	17	214	152	3480
4500 AGRIC ECONOMY FORGN	10	2.4	4.0	11	0	12	0	0	0	0	23	24	0	248	33	0	27	355
4600 FARM COOPERATIVES	8	0.9	0.8	16	0	0	0	0	0	0	16	2	1	60	3	0	0	82
4700 OTH MARKET PROCESS	9	1.9	4.6	54	0	0	0	67	0	0	121	11	1	119	1	2	1	256
4800 MARKETING SYSTEMS	22	6.7	20.4	164	0	0	0	303	0	0	467	79	14	512	15	0	34	1121
6100 WEEDS	48	10.9	43.2	314	3	31	4	36	0	0	388	133	26	1577	16	244	119	2503
6200 SEED RESEARCH	11	3.9	8.5	28	0	0	0	0	0	0	28	9	17	432	33	89	14	621
6300 BIO CELL SYSTEMS	76	30.8	96.2	427	0	12	222	156	0	0	817	9	2799	2869	91	255	162	7002
6400 EXP DESIGN/STAT METH	26	11.7	15.8	62	0	0	0	0	0	0	62	108	324	1007	7	9	45	1563
6500 INVERTEBRATES	129	44.9	110.0	688	0	21	946	59	0	0	1713	180	508	5141	126	198	185	8051
6600 MICROORGANISMS VIRUS	142	42.9	165.5	771	0	21	873	0	0	0	1670	173	2462	5455	72	799	295	10927
6700 PLANTS	220	67.9	256.2	899	10	350	1091	44	0	0	2394	994	1599	8456	297	2240	1093	17073
6800 ANIMALS(VERTEBRATES)	87	41.5	116.7	390	0	92	108	497	23	0	1111	73	1255	4702	362	460	404	8368
6900 RESEARCH ON RSCH MGM	9	3.4	2.8	140	0	43	0	0	0	0	183	4	11	280	0	4	10	492
7000 RSCH EQUIP & TECHNOL	32	10.7	31.4	137	27	480	0	148	0	0	792	5	337	830	10	83	137	2194
TOTAL		2743.8	9529.8	51254	6332	9552	6751	19971	1539	154	95554	13412	29604	346377	26058	33197	28002	572204

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	74	31.2	95.9	612	38	2	0	0	0	0	651	143	559	3070	167	81	1105	5777
102 SOIL PLNT WTR NUTRI	292	101.8	369.6	1971	333	66	25	799	0	0	3194	751	632	12422	1030	1219	1783	21031
103 MGMT OF SALINE SOILS	23	4.4	26.5	109	37	0	0	95	0	0	241	49	3	673	72	20	47	1107
104 ALTERN USE OF LAND	28	6.1	13.0	130	0	0	0	51	0	0	181	3	34	561	24	4	324	1131
105 CONSERV USE OF WATER	112	37.0	121.1	531	11	1	0	215	0	0	758	332	195	4514	270	555	394	7018
106 DRAIN AND IRRIGATION	31	11.8	31.3	192	0	12	0	0	0	0	203	25	108	1384	56	132	147	2056
107 WATERSHED PROT & MGM	59	20.8	68.6	328	110	0	0	0	0	0	438	259	203	2282	184	585	402	4358
108 ECON LEG PROB OF WAT	24	7.8	9.3	98	2	0	0	0	0	0	100	21	53	655	31	12	8	881
109 WEATHER ADAPT & MOD	32	11.5	21.1	167	11	0	0	40	0	0	217	60	251	1144	28	127	36	1864
110 APPRAIS FORST & RANG	35	9.5	22.5	47	285	20	0	0	0	0	352	129	136	789	143	65	265	1878
111 BIOL CULT MGMT FORST	130	47.3	151.6	24	1622	64	312	69	0	0	2090	1654	590	4759	256	608	290	10246
112 IMPROV RANGE RESOR	41	14.6	55.3	453	0	37	0	0	0	0	490	119	95	1669	568	113	20	3073
113 REMOTE SENSING	13	6.3	19.2	15	95	0	0	86	0	0	196	36	276	434	26	3	19	990
114 RSCH ON MGMT OF RSCH	9	3.4	2.8	140	0	43	0	0	0	0	183	4	11	280	0	4	10	492
SUBTOTAL			1007.8		2543		336		0		9295		3147		2856		4851	
		313.2		4817		244		1354		0		3584		34638		3527		61898
SERIES 200																		
201 CNTRL FORST INSECTS	48	10.9	36.8	49	264	9	403	0	0	0	725	465	89	1302	48	21	60	2711
202 CONTROL FOREST DIS	39	11.1	25.5	72	368	0	28	0	0	0	467	80	219	943	29	184	83	2005
204 CNTR PESTS FRT & VEG	154	43.8	159.0	1001	0	214	22	137	0	0	1374	102	134	6142	144	431	164	8491
205 CNTR DISE FRT & VEG	241	87.9	289.4	1402	0	553	0	43	0	0	1998	871	210	12484	326	559	406	16854
206 CNTR WEEDS FRT & VEG	64	15.0	50.6	325	0	23	0	104	0	0	451	9	39	1998	60	161	39	2757
207 CNTR PESTS FLD CROPS	285	96.1	352.7	2349	0	458	439	418	0	0	3663	394	464	11301	547	1135	1025	18528
208 CNTR DIS FIELD CROPS	312	108.1	377.1	2249	0	277	26	69	0	0	2622	293	747	12818	569	1541	1733	20322
209 CNTR WEEDS FLD CROPS	144	49.6	199.9	1606	0	139	9	0	0	0	1755	90	205	6486	576	1119	911	11142
210 CONTR PESTS ANIMALS	64	21.1	67.7	301	0	131	0	0	90	0	522	61	262	3020	44	184	151	4245
211 CONTR DIS ANIMALS	324	156.9	449.4	937	0	1104	400	330	1022	0	3794	780	1411	23969	1702	2092	984	34732
212 CNTR INTER PARASITES	50	15.1	49.9	272	0	87	31	0	77	0	466	7	108	2214	117	376	74	3361
213 PROT ANMLS FROM TOXI	40	20.3	72.5	192	0	15	0	55	111	0	373	1	548	3258	216	239	154	4789
214 PROTECT FROM POLLUTI	66	29.1	80.9	307	57	83	0	259	42	0	748	577	1239	2714	62	265	250	5855
SUBTOTAL			2211.3		690		1357		1341		18958		5675		4439		6035	
		664.9		11062		3094		1415		0		3730		88649		8306		135793
SERIES 300																		
301 GENET BREED FORST TR	33	23.0	72.8	26	390	0	89	227	0	0	731	123	422	1784	37	307	965	4370
302 IMP FOREST ENG SYS	21	4.0	17.1	14	110	257	11	0	0	0	391	17	14	669	55	186	23	1355
303 ECON TIMBER PRODUCTN	36	12.3	39.6	1	535	28	0	0	0	0	564	76	30	1756	63	207	203	2900
304 IMP BIO EFF FRT & VE	353	144.1	584.0	2966	0	485	86	1699	0	0	5235	248	405	20073	935	1408	780	29084
305 MECH PROD FRT & VEGS	47	12.2	36.8	271	0	10	0	0	0	0	281	6	75	1621	49	131	26	2189
306 PROD MGMT SYS F & V	57	11.7	33.0	291	0	125	0	87	0	0	503	65	28	1104	91	49	18	1858
307 IMP BIO EFF FLD CRP	532	213.0	902.0	4540	0	196	618	1214	0	22	6590	1134	1180	29968	2592	2049	2586	46100
308 MECH PROD FIELD CROP	49	15.9	53.2	447	0	0	0	0	0	88	536	98	25	2054	118	326	252	3409
309 PROD MGMT SYS FLD CR	192	57.8	178.0	1088	0	79	6	258	0	0	1430	188	66	6719	845	601	878	10727
310 ANIMAL REPRODUCTION	188	76.6	348.4	2681	0	72	643	819	37	0	4251	128	683	13377	1632	769	395	21235
311 IMP BIO EFF ANML PR	427	195.8	918.8	5201	0	287	361	3324	56	0	9229	406	516	33096	5381	3295	1417	53341
312 ENV STRESS IN ANMI P	76	18.3	90.1	568	0	0	0	132	27	0	728	6	112	3055	826	335	151	5212
313 PROD MGMT SYS ANMI P	123	27.2	129.9	693	0	63	0	0	0	0	756	42	16	5262	1191	128	205	7599
314 BEES OTH POLLNTNG IN	11	1.8	9.5	11	0	8	35	0	0	0	54	115	1	425	43	9	0	648
315 IMP STRUC FARM SUPP	30	12.8	24.6	330	0	0	0	0	0	0	330	86	18	1368	12	45	14	1872
316 FARM BUSINESS MGMT	68	27.9	63.8	435	0	69	0	331	0	0	835	14	64	2488	110	64	28	3602
317 MECH/STRUCTS ANML PR	18	3.7	9.7	96	0	0	0	0	0	0	96	0	0	586	29	9	6	726
318 NON COM BIO TECH/EIM	356	132.7	429.5	1860	38	518	2593	156	0	0	5169	276	6896	14821	375	1524	737	29799
SUBTOTAL			3940.8		1072		4446		121		37709		10552		14383		8683	
		990.9		21519		2195		8246		110		3030		140228		11441		226027
SERIES 400																		
401 NEW IMP FOREST PROD	102	40.6	129.6	10	721	401	221	0	0	0	1354	362	208	4905	57	1221	301	8408
402 PROD F & V IMP ACCEP	104	16.4	67.1	393	0	97	0	68	0	0	559	10	24	2657	68	105	60	3483
403 NEW & IMP F & V PROD	66	25.1	84.1	597	0	136	0	110	0	0	842	110	4	3007	178	149	288	4578
404 MKT QUAL FRTS & VEGS	56	23.5	49.6	400	0	190	0	51	0	0	640	23	164	2814	12	97	139	3890
405 PROD FLD CROP IMP AC	103	22.2	85.8	484	0	4	0	7	0	0	496	107	36	3396	215	325	220	4795
406 NEW IMP FOOD FLD CRO	51	11.9	39.2	276	0	0	0	160	0	0	436	21	130	1535	26	255	53	2456
407 NEW IMP NON FOOD FC	28	10.9	56.5	233	0	49	0	0	0	0	281	32	178	1449	136	427	21	2525
408 MKT QUAL FIELD CROPS	43	13.6	34.0	261	0	0	0	242	0	0	503	39	90	1438	18	171	35	2295
409 PROD ANML PR IMP ACC	66	20.4	83.6	681	0	145	37	86	0	0	949	42	12	3163	681	366	72	5284
410 IMP MEAT MILK EGG PR	84	30.9	105.8	825	0	47	0	418	3	0	1293	23	109	3334	762	357	732	6610
411 IMP NON FOOD ANML PR	6	1.2	3.3	42	0	2	0	19	0	0	62	0	4	78	2	1	0	147
412 MKT QUAL ANIMAL PROD	35	6.7	33.1	161	0	0	0	0	0	0	161	0	40	1197	50	260	45	1752
SUBTOTAL			771.8		721		258		3		7576		999		2204		1966	
		223.2		4362		1070		1162		0		768		28974		3734		46222
SERIES 500																		
501 IMP GRADES & STANDS	21	4.4	12.6	65	0	0	0	0	0	0	65	29	118	483	35	25	42	795
502 MKTG TIMBER PRODUCTS	22	5.7	6.7	18	189	0	0	0	0	0	207	130	7	222	12	33	97	708
503 MKTG EFF AGRI PRODS	49	13.5	23.8	344	0	50	0	0	0	0	393	92	12	1083	21	50	18	1669
506 SPLY DEMAND AND PRIC	78	24.6	70.9	695	0	260	0	192	0	0	1147	125	142	2081	55	266	187	4002
507 COMP REL IN AGRIC	31	4.6	9.0	136	0	0	0	67	0	0	203	13	9	394	4	9	22	653
508 DOMESTIC MKT DEVELP	24	5.3	18.3	125	0	0	0	227	0	0	352	21	7	443	26	126	7	982
509 PERFORMANCE MKTG SYS	50	13.4	31.6	346	0	7	0	283	0	0	636	139	14	985	47	21	36	1878
510 GROUP ACT MKT POWER	2	0.3	0.3	1	0	0	0	0	0	0	1	0	2	21	0	0	0	24
511 IMP AGRIC STATISTICS	9	1.6	3.4	18	0	0	0	0	0	0	18	108	9	174	4	9	3	326
512 IMP GRADES FRST PROD	3	0.2	0.7	0	19	0	0	0	0	0	19	2	1	26	0	12	0	60
513 PRICE ANAL FRST PROD	10	3.4	5.1	0	85	0	0	0	0	0	85	120	8	165	6	6	113	503
SUBTOTAL			182.4		293		0		0		3126		329		207		524	
		76.9		1748		316		768		0		779		6076		557		11599
SERIES 600																		
601 FGN MKT DEVELP	34	10.7	18.1	280	14	12	0	0	0	0	306	208	4	834	62	19	71	1504
603 TECH AID DEV CRTY	14	10.1	13.1	18	0	49	0	0	0	0	67	3	3473	251	0	5	103	3902
604 PRD DVLPMT/MKTG FGN	10	3.7	14.6	69	52	7	0	0	0	0	128	9	9	420	22	123	8	719
SUBTOTAL			45.7		66		0		0		501		3485		84		182	
		24.6		367		67		0		0		221		1505		148		6125

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /BRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	36	5.5	27.8	184	0	626	0	0	35	0	845	5	161	647	68	60	60	1846
702 FOOD PROT FROM TOX	51	13.9	85.0	323	0	57	0	179	5	0	564	82	326	2458	72	231	218	3951
703 FOOD CONSUMP HABITS	42	14.1	35.1	210	0	0	0	737	0	0	947	91	85	657	18	209	65	2071
704 HOME COMM FOOD SERV	6	1.3	2.5	14	0	0	0	0	0	0	14	0	0	121	13	2	8	157
705 SEL CARE CLOTH & TEX	28	8.2	18.6	140	0	0	0	434	0	0	574	4	25	434	9	50	7	1102
706 CONTR INSECTS AFF MA	32	10.4	31.2	255	0	21	0	0	0	0	276	24	101	1248	23	210	129	2011
707 TRANS ANIML MAN DIS	9	1.2	4.9	10	0	0	0	75	0	0	85	0	27	150	3	17	18	300
708 HUMAN NUTRITION	87	29.2	91.3	388	0	0	311	570	0	44	1313	2	502	3647	144	885	89	6581
709 REDUCE HAZ HLTH & SF	24	4.5	15.3	118	0	0	0	0	0	0	118	38	239	563	12	60	96	1095
SUBTOTAL			311.9		0		311		39		4735		1434		362		690	
		88.3		1641		704		1995		44		246		9924		1724		19115
SERIES 800																		
801 RURAL HOUSING	27	7.5	19.4	132	0	0	0	377	0	0	509	0	2	589	8	42	0	1150
802 INDIV & FAM DEC MAKI	36	9.0	13.9	116	0	0	0	431	0	0	546	0	1	530	15	2	4	1099
803 RURAL POVERTY	9	1.1	3.2	22	0	17	0	21	0	0	60	0	1	70	9	2	10	152
804 ECON POTENT RURL PEO	41	11.2	32.4	178	0	52	0	761	0	0	992	0	2	389	23	4	4	1414
805 COMMUNICAT EDUC PROC	17	12.5	20.0	23	49	0	0	438	0	0	510	5	0	1000	2	0	131	1647
806 ADJUSTMENT TO CHANGE	52	15.0	38.2	315	0	0	0	413	0	0	728	12	2	1063	102	237	27	2171
807 AGRIC ECONOMIC CHANG	51	20.0	32.1	355	10	0	0	373	0	0	738	26	5	1495	14	9	161	2447
808 GOVT PROGRAMS	18	6.4	20.7	148	0	138	0	0	0	0	286	58	1	774	8	19	3	1148
SUBTOTAL			180.1		59		0		0		4369		13		180		341	
		82.6		1289		207		2813		0		101		5910		316		11229
SERIES 900																		
901 ALLEV POLLUTION	114	35.6	130.2	971	103	71	0	350	0	0	1495	216	626	4228	215	697	430	7907
902 OUTDOOR RECREATION	36	8.3	16.3	84	96	0	0	0	0	0	180	94	106	742	6	42	91	1262
903 MULTI USE FOREST POT	33	9.4	33.4	10	221	0	0	0	0	0	230	90	435	953	1	31	273	2013
904 WLDLFE AND FISH ECOL	236	112.5	385.0	765	450	1364	42	1299	35	0	3955	498	2687	11093	820	1628	3576	24257
905 TREES BEAUTIFICATION	23	6.7	16.8	97	17	1	0	0	0	0	115	9	17	912	29	51	3	1135
906 ORNAMENT & TURF DEV	197	84.2	260.3	1981	0	114	0	200	0	0	2294	16	68	11165	244	975	315	15078
907 RURAL INCOME IMP	27	12.6	19.0	293	2	43	0	0	0	0	338	25	10	845	12	12	11	1253
908 RURAL INSTITUT IMP	37	9.8	17.1	248	0	61	0	369	0	0	678	4	21	537	12	10	30	1293
SUBTOTAL			878.0		887		42		35		9285		3970		1341		4731	
		279.1		4449		1653		2218		0		952		30474		3445		54197
SCIENCE IN SERV OF MAN																		
GRAND TOTAL			9529.8		6332		6751		1539		95554		29604		26058		28002	
		2743.8		51254		9552		19971		154		13412		346377		33197		572204

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	MATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	347	107.4	352.0	2207	33	573	0	18	0	94	2926	1155	2176	12176	992	2599	1941	23965
0200 WATER	158	41.1	116.4	745	15	143	0	0	0	0	902	587	789	4703	243	287	421	7932
0300 WATERSHEDS RIVER BAS	19	4.4	19.6	78	73	0	0	0	0	0	151	81	52	614	13	16	29	956
0400 AIR AND CLIMATE	47	10.8	38.0	431	15	28	17	0	0	0	491	24	369	1059	110	33	302	2388
0500 RECREATION RESOURCES	29	7.5	17.3	66	123	15	0	0	0	0	204	58	117	859	4	14	159	1414
0600 TIMBER FORST PRODUCT	347	109.8	315.7	706	2820	920	1063	0	0	0	5514	1386	715	10427	285	1150	2201	21378
0700 RANGE	49	20.0	47.9	360	9	43	0	112	0	0	524	24	414	1567	491	44	270	3334
0800 WILDLIFE AND FISH	95	28.2	130.1	412	96	1	54	0	5	0	568	235	2705	3217	246	674	941	8585
0900 CITRUS SUB TROP FRUT	4	0.9	1.7	23	0	0	0	25	0	0	47	0	0	48	1	11	16	121
1000 FRUIT NUTS DECIDUCUS	153	40.9	156.2	1248	3	480	39	25	0	63	1857	195	149	6077	343	999	739	10358
1100 POTATOES	94	23.3	90.9	677	0	690	55	0	0	0	1422	279	114	2805	134	458	149	5362
1200 VEGETABLES	238	65.2	221.3	2141	0	459	89	312	0	84	3085	327	561	7370	265	1372	529	13509
1300 ORNAMENTALS TURF	113	36.0	121.3	841	5	2	0	0	0	0	848	75	151	4479	207	1308	347	7415
1400 CORN	455	110.5	431.2	3162	0	299	491	0	0	0	3952	652	1201	12268	880	4073	1718	24745
1500 GRAIN SORGHUM	97	22.6	73.6	369	0	4	33	0	0	0	406	262	833	2158	354	275	264	4551
1600 RICE	14	5.4	23.0	50	0	3	0	0	0	0	53	18	2	998	13	194	59	1336
1700 WHEAT	255	82.6	249.2	1612	0	337	210	0	0	0	2159	482	982	7667	1717	1068	1316	15391
1800 OTHER SMALL GRAINS	129	33.8	133.4	833	0	34	176	0	0	0	1043	169	336	3778	447	1099	755	7626
1900 PASTURE	14	1.4	7.5	101	0	34	0	0	0	0	135	9	2	141	71	13	15	386
2000 FORAGE CROPS	199	43.0	162.1	1602	0	82	27	0	0	0	1711	344	360	5169	584	791	445	9403
2100 COTTON	7	1.1	4.1	37	0	0	0	0	0	0	37	0	3	154	43	2	10	249
2200 COTTONSEED	1	0.0	0.2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
2300 SOYBEANS	373	87.4	330.5	2189	0	605	634	92	0	0	3520	637	565	9533	693	2762	1257	18968
2400 PEANUTS	3	0.7	1.7	40	0	0	0	0	0	0	40	0	0	25	0	15	2	81
2500 OTHER OILSEED CROPS	62	15.8	46.9	269	0	177	41	0	0	328	814	393	39	1199	179	82	191	2897
2600 TOBACCO	9	1.4	9.0	14	0	0	49	0	0	0	63	0	36	218	0	8	3	328
2700 SUGAR CROPS	24	6.1	25.2	106	0	128	0	0	0	0	233	0	16	855	21	262	61	1449
2800 MISC NEW CROPS	29	5.2	18.6	130	0	9	0	0	0	0	139	52	38	468	19	315	137	1167
2900 POULTRY	204	57.0	225.6	1875	0	157	510	0	90	0	2632	66	364	7780	868	1228	666	13604
3000 BEEF CATTLE	455	128.7	605.7	3215	0	546	1139	122	529	0	5550	1266	924	17092	10506	2183	1569	39090
3100 DAIRY CATTLE	390	107.3	480.0	3393	0	508	497	0	478	0	4876	377	1452	15828	4169	4888	989	32579
3200 SWINE	429	117.0	550.5	3581	0	710	959	113	373	115	5851	764	1061	16819	6115	2241	3885	36736
3300 SHEEP AND WOOL	102	25.8	153.9	654	0	0	373	112	52	0	1192	299	518	3975	1615	166	278	8042
3400 OTHER ANIMALS	181	42.0	135.1	437	0	19	182	249	115	0	1002	0	3320	3029	863	679	1202	10096
3500 BEES AND HONEY	5	2.3	3.9	50	0	0	0	0	0	0	50	0	0	198	0	9	17	274
3600 FARM SUPP & FACILITS	29	8.9	23.3	191	0	127	0	0	0	0	318	55	105	852	302	313	63	2008
3700 CLOTHING & TEXTILES	24	7.5	16.4	148	0	0	0	16	0	0	164	0	6	529	4	126	15	844
3800 FOOD	167	57.8	189.0	1682	0	297	255	32	0	42	2307	522	3189	5885	173	2086	594	14756
3900 HOUSING & EQUIP	34	9.8	27.6	205	25	0	0	16	0	0	246	1	0	1239	63	91	45	1684
4000 PEOPLE AS INDIVIDUAL	146	34.4	83.4	566	0	17	403	217	0	0	1202	16	868	3779	57	480	66	6468
4100 FAMILY MEMBERS	117	33.1	59.6	583	0	17	0	46	0	0	647	25	964	2857	55	129	85	4762
4200 FARM AS BUSINESS	69	23.9	39.8	540	4	2	0	38	0	0	585	45	23	2083	170	74	117	3097
4300 SOC POLIT ORGANIZ	106	32.3	104.1	871	7	175	0	0	0	128	1181	752	2134	2980	115	221	567	7951
4400 AGRIC ECONOMY U S	62	16.6	48.6	506	0	1073	0	36	0	0	1616	154	126	1752	82	154	345	4228
4500 AGRIC ECONOMY FORGN	21	17.7	40.6	116	0	1054	0	0	0	0	1170	126	2619	870	11	643	404	5843
4600 FARM COOPERATIVES	11	2.9	6.9	69	0	0	0	0	0	0	69	74	8	247	15	84	38	535
4700 OTH MARKET PROCESS	9	1.5	2.9	54	0	9	0	36	0	0	100	6	8	114	8	9	2	247
4800 MARKETING SYSTEMS	25	5.9	10.9	183	0	92	0	0	0	0	275	0	2	567	19	0	27	891
6100 WEEDS	37	12.3	53.1	364	0	43	0	0	0	0	408	17	214	1586	67	560	255	3108
6200 SEED RESEARCH	9	2.8	19.8	55	0	0	0	0	0	0	55	11	110	265	575	74	10	1101
6300 BIO CELL SYSTEMS	85	28.3	145.6	591	20	0	113	0	10	0	734	53	4631	3241	82	577	262	9580
6400 EXP DESIGN/STAT METH	32	14.6	27.3	178	0	0	0	0	0	0	178	1101	19	1233	179	204	125	3039
6500 INVERTEBRATES	84	22.6	70.2	476	36	46	784	0	24	0	1366	120	807	2082	27	238	153	4792
6600 MICROORGANISMS VIRUS	147	49.5	166.7	719	0	82	1466	0	44	0	2310	65	4341	4564	117	540	390	12327
6700 PLANTS	272	72.0	262.8	1513	0	660	3125	0	0	0	5298	142	2089	7537	246	799	972	17083
6800 ANIMALS(VERTEBRATES)	238	87.3	267.3	973	0	301	215	0	58	0	1546	148	6312	8913	1404	1039	2190	21553
6900 RESEARCH ON RSCH MGM	12	2.4	6.3	218	0	1	0	0	0	0	219	18	27	328	0	2	0	594
7000 RSCH EQUIP & TECHNOL	38	11.2	38.7	193	6	77	29	0	0	0	304	0	1970	1295	41	158	39	3808
TOTAL		1948.2	7010.2	44646	3290	11081	13032	1617	1777	852	76296	13365	50938	219553	36303	39917	29649	466021

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	MATH /RRP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	63	22.8	66.2	349	0	0	0	0	0	0	349	312	155	3173	121	772	437	5318
102 SOIL PLNT WTR NUTRI	271	87.0	297.6	1848	230	397	96	63	0	0	2634	681	2082	9573	1222	1672	1634	19498
103 MGMT OF SALINE SOILS	6	0.7	3.3	7	0	0	111	0	0	0	118	0	0	81	7	0	0	206
104 ALTERN USE OF LAND	29	5.4	17.7	127	2	0	0	0	0	0	129	75	24	582	30	36	206	1081
105 CONSERV USE OF WATER	65	19.0	64.8	269	0	0	5	0	0	0	275	302	582	2099	141	376	169	3943
106 DRAIN AND IRRIGATION	36	9.9	30.1	251	0	0	0	0	0	94	345	31	50	1166	55	118	57	1824
107 WATERSHED PROT & MGM	32	12.5	42.4	181	106	7	0	0	0	0	294	224	201	1510	27	180	53	2490
108 ECON LEG PROB OF WAT	11	2.6	4.4	56	0	0	0	0	0	0	56	32	18	263	4	0	7	379
109 WEATHER ADAPT & MOD	48	12.2	36.9	419	15	5	17	0	0	63	519	12	375	1139	121	46	136	2348
110 APPRAIS FOREST & RANG	31	12.1	37.0	81	275	0	0	84	0	0	440	63	477	1234	55	16	294	2579
111 BIOL CULT MGMT FOREST	85	30.5	79.6	35	782	0	272	0	0	0	1090	113	100	2739	88	357	818	5305
112 IMPROV RANGE RESOR	34	11.7	25.6	257	5	20	0	28	0	0	310	16	13	951	401	27	133	1852
113 REMOTE SENSING	16	5.1	12.2	131	84	109	0	0	0	0	325	0	150	472	4	3	38	992
114 RSCH ON MGMT OF RSCH	12	2.4	6.3	218	0	1	0	0	0	0	219	18	27	328	0	2	0	594
SUBTOTAL			724.0		1500		502		0		7102		4255		2276		3982	
		234.0		4230		539		175		157		1879		25310		3606		48410
SERIES 200																		
201 CNTRL FORST INSECTS	31	5.8	22.0	84	176	0	140	0	0	0	401	116	11	579	8	49	61	1225
202 CONTROL FOREST DIS	35	4.9	19.6	43	110	0	165	0	0	0	318	55	30	645	5	40	75	1168
204 CNTR PESTS FRT & VEG	72	14.4	51.7	538	0	133	75	0	0	84	830	191	105	1631	28	507	129	3422
205 CNTR DISE FRT & VEG	130	30.3	103.8	862	0	450	94	0	0	0	1407	313	359	3607	56	799	246	6787
206 CNTR WEEDS FRT & VEG	26	7.4	24.5	216	0	7	51	0	0	0	273	0	21	949	20	277	56	1595
207 CNTR PESTS FLD CROPS	144	45.1	164.0	1375	0	724	216	0	0	0	2314	337	269	3894	187	840	699	8540
208 CNTR DIS FIELD CROPS	202	67.2	203.8	2051	0	307	133	0	0	0	2492	271	820	6614	130	1519	648	12492
209 CNTR WEEDS FLD CROPS	89	28.5	114.3	734	0	104	0	0	0	0	838	318	121	3439	398	1334	507	6956
210 CONTR PESTS ANIMALS	45	11.3	29.2	252	0	67	0	0	39	0	358	69	9	857	133	46	111	1583
211 CONTR DIS ANIMALS	590	170.2	561.8	1494	0	1380	1070	0	1304	0	5247	655	5798	19542	2835	2573	3154	39803
212 CNTR INTER PARASITES	24	5.4	18.6	63	0	44	0	0	3	0	110	3	429	563	129	59	104	1397
213 PROT ANMLS FROM TOXI	41	11.6	33.4	191	0	14	0	0	57	0	261	15	191	1334	286	201	179	2467
214 PROTECT FROM POLLUTI	44	12.5	52.7	248	93	55	13	0	27	0	436	387	977	1449	147	184	387	3967
SUBTOTAL			1399.4		379		1956		1429		15285		9139		4360		6357	
		414.6		8151		3286		0		84		2731		45103		8428		91404
SERIES 300																		
301 GENET BREED FORST TR	43	11.9	35.2	101	407	0	101	0	0	0	608	95	20	1300	13	193	206	2435
302 IMP FOREST ENG SYS	7	1.4	4.5	9	22	0	72	0	0	0	103	0	0	103	5	0	5	216
303 ECON TIMBER PRODUCTN	16	5.1	8.0	3	133	11	0	0	0	0	147	1	24	371	58	17	10	628
304 IMP BIO EFF FRT & VE	175	50.8	201.4	1758	0	845	219	219	0	0	3040	296	346	6729	448	711	554	12123
305 MECH PROD FRT & VEGS	14	2.0	5.3	66	0	0	0	0	0	0	66	3	20	352	0	30	23	494
306 PROD MGMT SYS F & V	24	4.7	25.5	109	0	47	0	0	0	0	156	12	7	876	82	249	16	1398
307 IMP BIO EFF FLD CRP	405	180.0	697.9	4110	0	282	1602	92	0	148	6235	1660	2656	19362	3003	4570	2596	40082
308 MECH PROD FIELD CROP	29	7.4	14.1	176	0	3	0	0	0	0	179	1	0	832	19	56	38	1126
309 PROD MGMT SYS FLD CR	95	19.7	77.0	570	0	76	0	0	0	0	647	66	154	2360	462	416	387	4491
310 ANIMAL REPRODUCTION	211	70.2	371.3	2263	0	215	1509	347	129	0	4463	376	2071	10241	4530	1295	586	23562
311 IMP BIO EFF ANML PR	405	156.9	907.6	6017	0	117	946	0	135	0	7215	1484	1695	24832	14358	4490	4816	58889
312 ENV STRESS IN ANMI P	63	21.4	57.3	490	0	29	28	0	69	0	616	1	455	1919	894	165	225	4276
313 PROD MGMT SYS ANMI P	78	17.5	85.2	624	0	45	0	0	0	115	785	0	104	2682	1107	187	164	5029
314 BEES OTH POLLNTNG IN	5	2.3	3.9	50	0	0	0	0	0	0	50	0	0	198	0	9	17	274
315 IMP STRUC FARM SUPP	30	11.8	30.5	203	0	129	0	0	0	0	332	24	0	1287	346	192	85	2266
316 FARM BUSINESS MGMT	46	13.0	22.3	299	0	2	0	36	0	0	337	32	23	1277	127	21	110	1927
317 MECH/STRUCTS ANML PR	8	1.0	4.1	9	0	0	0	0	0	0	9	0	2	198	31	3	16	258
318 NON COM BIO TECH/ELM	403	147.6	568.3	2692	20	108	4411	0	10	0	7240	207	14258	14975	942	3020	1446	42088
SUBTOTAL			3119.4		582		8883		343		32227		21837		26426		11300	
		726.6		19547		1909		694		263		4257		89894		15623		201563
SERIES 400																		
401 NEW IMP FOREST PROD	62	19.6	53.9	82	293	763	541	0	0	0	1679	31	112	1390	10	297	254	3772
402 PROD F & V IMP ACCEP	54	8.1	29.8	240	0	6	0	0	0	0	246	12	27	1088	41	172	149	1735
403 NEW & IMP F & V PROD	42	11.1	31.8	295	0	0	0	0	0	0	295	4	89	1218	1	318	194	2120
404 MKT QUAL FRTS & VEGS	30	9.0	25.4	294	0	65	0	0	0	0	359	19	9	1112	1	298	134	1931
405 PROD FLD CROP IMP AC	91	32.6	143.1	755	0	47	0	0	0	0	801	247	243	4511	377	986	521	7686
406 NEW IMP FOOD FLD CRO	67	20.4	81.6	405	0	4	0	0	0	90	499	13	206	2376	82	646	390	4212
407 NEW IMP NON FOOD FC	41	8.5	31.8	100	0	14	183	0	0	90	386	18	12	1167	381	533	121	2619
408 MKT QUAL FIELD CROPS	32	14.1	36.1	257	0	0	0	0	0	0	257	46	688	871	23	166	257	2309
409 PROD ANML PR IMP ACC	49	21.9	97.6	807	0	0	0	0	0	42	849	76	0	3125	621	616	179	5465
410 IMP MEAT MILK EGG PR	75	26.4	81.9	672	0	0	0	0	0	0	672	5	346	2845	439	912	376	5596
411 IMP NON FOOD ANML PR	6	1.2	4.2	23	0	0	0	0	0	0	23	0	16	150	0	78	5	272
412 MKT QUAL ANIMAL PROD	25	7.0	18.0	196	0	0	0	0	0	0	196	12	0	652	31	486	97	1474
SUBTOTAL			635.1		293		724		0		6261		1749		2006		2679	
		180.0		4125		898		0		221		483		20505		5507		39190
SERIES 500																		
501 IMP GRADES & STANDS	15	3.5	13.0	144	0	6	0	0	0	0	150	34	1	296	43	85	28	637
502 MKTG TIMBER PRODUCTS	8	3.4	3.2	0	83	0	0	0	0	0	83	14	1	280	0	0	26	404
503 MKTG EFF AGRI PRODS	55	20.4	39.2	453	0	95	0	0	0	0	548	284	332	1625	42	512	135	3477
506 SPLY DEMAND AND PRIC	57	17.9	31.3	434	0	645	0	36	0	0	1116	168	96	1766	51	77	31	3304
507 COMP REL IN AGRIC	15	1.5	2.8	29	0	69	0	0	0	0	98	0	0	177	13	4	5	298
508 DOMESTIC MKT DEVELP	13	1.7	7.5	24	0	67	0	36	0	0	127	19	54	299	9	13	93	614
509 PERFORMANCE MKTG SYS	48	9.8	26.0	419	0	66	0	0	0	0	485	128	24	1070	4	33	27	1772
510 GROUP ACT MKT POWER	11	1.9	3.8	55	0	9	0	0	0	0	64	33	0	165	14	41	6	324
511 IMP AGRIC STATISTICS	14	4.0	9.1	87	0	77	0	0	0	0	164	1086	3	390	14	86	30	1774
512 IMP GRADES FRST PROD	3	0.1	2.6	7	0	145	0	0	0	0	152	0	16	18	0	0	0	186
513 PRICE ANAL FRST PROD	1	0.1	0.2	0	1	0	0	0	0	0	1	0	0	8	0	0	0	8
SUBTOTAL			138.8		84		0		0		2987		527		191		380	
		64.3		1651		1179		73		0		1767		6094		851		12798
SERIES 600																		
601 FGN MKT DEVELP	37	23.2	52.4	302	5	1404	0	0	0	0	1711	272	2419	1498	15	630	557	7103
602 EVAL FGN FOOD AID PG	3	1.0	3.0	1	0	0	0	0	0	0	1	39	109	77	0	21	0	245
603 TECH AID DEV CRTY	12	4.0	17.7	11	0	30	0	0	0	0	41	63	2158	317	16	121	1	2718
604 PRD DVLPMT/MKTG FRGN	11	2.1	3.7	59	0	29	0	0	0	0	88	54	0	190	0	75	0	406
SUBTOTAL			76.8		5		0		0		1841		4686		31		558	
		30.3		372		1463		0		0		427		2082		848		10473

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	HATH /RRP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	25	3.3	27.0	78	0	544	0	0	0	0	622	15	63	392	8	39	175	1313
702 FOOD PROT FROM TOX	55	19.5	81.1	620	0	13	0	0	0	0	634	60	801	2122	73	896	330	4916
703 FOOD CONSUMP HABITS	34	8.2	20.0	119	0	0	0	16	0	0	135	96	365	832	13	96	77	1613
704 HOME COMM FOOD SERV	15	4.6	11.8	217	0	0	0	0	0	0	217	0	3	397	0	44	44	705
705 SEL CARE CLOTH & TEX	20	5.4	14.5	99	0	0	0	16	0	0	115	0	4	392	4	125	14	654
706 CONTR INSECTS AFF MA	15	2.8	10.1	68	0	0	0	0	0	0	68	0	258	338	2	87	15	767
707 TRANS ANIML MAN DIS	7	0.7	2.7	4	0	0	0	0	0	0	4	0	129	74	0	31	1	239
708 HUMAN NUTRITION	124	40.6	123.6	890	0	0	909	577	0	0	2376	32	2876	3531	91	714	435	10054
709 REDUCE HAZ HLTH & SF	13	4.4	8.0	73	0	0	0	0	0	0	73	0	2	360	1	63	7	506
SUBTOTAL			298.7		0		909		0		4243		4499		190		1097	
		89.7		2169		557		608		0		203		8438		2095		20766
SERIES 800																		
801 RURAL HOUSING	14	2.2	7.2	29	0	0	0	16	0	0	45	61	0	260	10	1	31	408
802 INDIV & FAM DEC MAKI	73	17.6	28.6	283	0	0	0	45	0	0	329	0	160	2024	32	64	65	2674
803 RURAL POVERTY	5	0.8	0.5	7	0	0	0	0	0	0	7	0	24	47	1	0	1	79
804 ECON POTENT RURL REG	19	5.3	10.5	205	0	0	0	0	0	0	205	6	0	434	10	0	6	661
805 COMMUNICAT EDUC PROC	33	10.4	18.2	89	0	0	0	0	0	0	89	15	30	1442	0	45	19	1641
806 ADJUSTMENT TO CHANGE	72	20.1	45.0	322	0	34	0	1	0	0	358	180	873	1551	42	125	42	3171
807 AGRIC ECONOMIC CHANG	66	23.0	49.3	633	0	111	0	1	0	0	746	149	51	2041	125	96	358	3565
808 GOVT PROGRAMS	18	4.0	10.6	80	9	131	0	0	0	0	220	14	8	424	47	40	289	1042
SUBTOTAL			169.9		9		0		0		1998		1146		267		811	
		83.3		1650		276		64		0		424		8223		371		13241
SERIES 900																		
901 ALLEV POLLUTION	108	28.6	94.0	723	15	798	0	0	0	0	1536	306	434	3114	71	556	651	6667
902 OUTDOOR RECREATION	28	8.7	20.0	59	160	15	0	0	0	0	234	60	137	921	2	14	163	1531
903 MULTI USE FOREST POT	21	3.8	15.1	97	132	0	0	0	0	0	230	5	47	434	41	27	50	834
904 WLDLFE AND FISH ECOL	86	26.0	122.8	305	69	1	54	0	5	0	434	234	2264	2906	275	618	988	7719
905 TREES BEAUTIFICATION	36	5.4	16.9	108	51	0	0	0	0	0	159	12	23	619	15	36	38	902
906 ORNAMENT & TURF DEV	105	32.7	113.8	782	5	2	0	0	0	0	790	75	148	4151	120	1230	332	6846
907 RURAL INCOME IMP	39	7.7	30.7	236	7	53	0	3	0	0	299	61	40	782	12	14	75	1283
908 RURAL INSTITUT IMP	45	12.4	34.8	440	0	104	0	0	0	128	671	441	6	976	21	92	189	2395
SUBTOTAL			448.1		438		54		5		4351		3099		556		2485	
		125.4		2750		973		3		128		1194		13904		2587		28177
SCIENCE IN SERV OF MAN																		
GRAND TOTAL			7010.2		3290		13032		1777		76296		50938		36303		29649	
		1948.2		44646		11081		1617		852		13365		219553		39917		466021

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS SYS	STAFF SUPPORT YRS OTHER	HATH /REP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANMI HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	267	81.8	215.0	1376	166	251	3	0	0	50	1851	723	2493	8585	570	646	559	15427
0200 WATER	230	91.8	182.9	1076	89	113	0	0	0	100	1378	631	2800	7395	283	724	5089	18298
0300 WATERSHEDS RIVER BAS	62	13.5	36.2	131	252	0	0	0	0	0	383	474	516	1109	20	162	129	2792
0400 AIR AND CLIMATE	36	12.8	32.9	106	7	0	0	0	0	0	113	89	463	1123	8	79	56	1932
0500 RECREATION RESOURCES	54	13.3	26.4	118	132	1	0	0	0	0	250	257	363	1313	11	31	214	2438
0600 TIMBER FORST PRODUCT	399	138.3	351.8	398	2705	1021	1137	0	0	67	5328	1944	2478	13413	690	2011	1101	26966
0700 RANGE	176	62.4	104.9	980	206	317	0	0	0	0	1503	430	1743	4937	231	140	1158	10141
0800 WILDLIFF AND FISH	207	74.2	205.1	353	347	407	57	0	88	0	1252	597	2557	8657	81	450	1533	15127
0900 CITRUS SUB TRCP FRUT	128	36.0	109.9	354	0	610	40	0	0	0	1004	165	106	6650	88	332	199	8544
1000 FRUIT NUTS DECIDUCUS	280	101.9	318.9	2079	0	127	0	0	0	0	2206	1012	930	15545	335	2193	886	23107
1100 POTATOES	93	24.4	70.2	244	0	286	0	0	0	0	530	741	177	2827	170	169	344	4959
1200 VEGETABLES	355	110.9	316.2	2381	0	444	396	0	0	175	3396	488	1778	13998	316	940	1051	21966
1300 ORNAMENTALS TURF	121	41.1	86.1	527	0	38	0	0	0	0	565	133	263	4779	112	361	467	6680
1400 CORN	70	16.6	42.4	156	2	39	212	0	0	0	410	266	761	1500	61	96	140	3233
1500 GRAIN SORGHUM	21	2.6	8.4	34	0	0	0	0	0	0	34	36	398	358	23	36	6	893
1600 RICE	16	3.5	13.7	20	0	38	92	0	0	0	150	12	105	738	13	47	52	1117
1700 WHEAT	205	64.1	160.8	718	0	378	225	0	0	0	1323	992	1873	5558	305	791	947	11790
1800 OTHER SMALL GRAINS	138	28.3	89.0	563	0	28	62	0	0	0	653	355	324	2938	146	550	459	5426
1900 PASTURE	31	3.3	7.0	99	14	38	0	0	0	0	152	25	29	209	10	23	225	673
2000 FORAGE CROPS	205	47.3	125.4	1280	0	238	121	0	0	0	1639	504	816	6182	373	260	184	9958
2100 COTTON	63	18.6	60.4	479	0	1	0	0	0	0	479	82	152	3076	184	365	204	4543
2200 COTTONSEED	2	0.5	1.6	22	0	0	0	0	0	0	22	1	4	69	3	1	8	108
2300 SOYBEANS	25	6.8	12.2	98	0	30	27	0	0	0	156	1	73	723	4	26	83	1065
2400 PEANUTS	2	1.2	0.9	0	0	0	0	0	0	0	0	0	0	111	1	0	0	112
2500 OTHER CILSEED CROPS	39	13.6	46.7	192	0	25	0	0	0	0	217	264	243	1639	49	444	184	3040
2600 TOBACCO	3	0.5	2.7	6	0	0	0	0	0	0	6	3	279	68	9	0	11	376
2700 SUGAR CROPS	29	5.5	17.4	94	0	7	0	0	0	0	100	9	10	731	28	140	13	1031
2800 MISC NEW CROPS	87	21.4	66.9	303	0	330	0	0	0	0	633	478	860	2594	194	409	307	5474
2900 POULTRY	81	27.9	91.6	472	0	140	245	0	113	0	970	22	357	3926	285	439	183	6182
3000 BEEF CATTLE	304	152.3	362.6	2472	5	417	551	0	403	0	3848	1149	6437	12168	4447	1834	1205	31088
3100 DAIRY CATTLE	216	74.7	202.9	1146	0	418	112	0	240	0	1916	723	2062	6236	2600	3059	307	16902
3200 SWINE	55	8.5	34.9	421	0	95	319	0	25	0	860	75	40	1212	224	73	91	2574
3300 SHEEP AND WOOL	138	46.8	116.4	971	0	288	192	0	156	0	1606	367	2377	4157	851	803	320	10481
3400 OTHER ANIMALS	96	39.1	126.8	255	0	44	62	0	116	25	502	30	4955	3237	638	938	249	10549
3500 BEES AND HONEY	21	5.9	12.7	92	0	0	0	0	0	0	92	61	4	1011	2	47	30	1246
3600 FARM SUPP & FACILITS	13	3.9	3.9	29	0	32	0	0	0	0	61	4	0	298	11	9	40	423
3700 CLOTHING & TEXTILES	19	6.7	13.0	45	0	0	0	0	0	0	45	37	10	436	2	5	14	550
3800 FOOD	76	38.2	101.8	516	0	780	50	0	0	0	1346	121	1087	4018	22	729	289	7611
3900 HOUSING & EQUIP	23	5.0	9.7	63	26	0	21	0	0	0	110	21	50	680	2	26	11	901
4000 PEOPLE AS INDIVIDUAL	129	45.9	69.9	522	8	38	17	0	3	0	588	46	633	3633	71	499	164	5633
4100 FAMILY MEMBERS	65	32.7	36.9	295	0	19	0	0	0	0	314	23	273	1285	40	123	138	2194
4200 FARM AS BUSINESS	35	9.9	11.1	138	0	116	0	0	0	0	254	72	42	822	27	5	60	1281
4300 SOC POLIT ORGANIZ	72	21.5	27.2	274	40	38	0	0	0	25	377	31	224	1781	38	154	194	2799
4400 AGRIC ECONOMY U S	26	12.7	20.9	87	0	0	0	0	0	0	87	141	22	1268	2	107	9	1635
4500 AGRIC ECONOMY FORGN	12	4.2	9.3	11	0	32	0	0	0	0	43	37	28	542	1	56	1	707
4600 FARM COOPERATIVES	5	1.2	2.8	21	0	0	0	0	0	0	21	4	1	114	0	5	0	144
4700 OTH MARKET PROCESS	2	1.1	0.5	6	0	0	0	0	0	0	6	34	0	25	0	0	0	65
4800 MARKETING SYSTEMS	11	3.4	5.7	21	0	1	0	0	0	0	22	43	1	333	0	32	4	434
6100 WEEDS	39	7.3	18.2	127	0	31	140	0	0	0	298	22	42	706	17	38	94	1216
6200 SEED RESEARCH	27	10.1	54.4	221	0	0	0	0	0	0	221	176	148	892	1359	50	122	2969
6300 BIO CELL SYSTEMS	56	19.0	65.3	229	0	56	0	0	8	0	294	57	1664	2226	62	411	108	4820
6400 EXP DESIGN/STAT METH	24	7.9	14.9	13	9	0	0	0	0	0	22	86	216	757	18	28	17	1144
6500 INVERTEBRATES	151	58.4	161.4	652	12	15	682	0	27	95	1481	88	1677	7446	98	706	301	11796
6600 MICROORGANISMS VIRUS	154	47.5	150.1	343	4	217	1187	0	20	0	1771	225	2877	5444	31	750	91	11188
6700 PLANTS	297	99.0	281.1	920	0	545	2133	0	0	47	3650	1033	4007	11556	293	792	451	21782
6800 ANIMALS(VERTEBRATES)	111	86.7	341.4	275	0	3	221	0	29	0	528	47	8764	12858	559	667	815	24239
6900 RESEARCH ON RSCH MGM	15	11.5	62.9	436	67	24	0	0	0	0	527	76	45	12820	570	253	59	14350
7000 RSCH EQUIP & TECHNOL	40	12.7	21.4	137	64	0	35	0	0	0	237	440	539	1051	14	106	24	2410
TOTAL		1938.0	5143.6	25398	4154	8118	8343	0	1227	584	47829	16000	61178	219760	16601	24166	20998	406531

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	MATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	54	15.5	43.5	234	73	66	0	0	0	0	374	193	508	1640	237	65	59	3075
102 SOIL PLNT WTR NUTRI	182	68.6	148.0	976	157	194	53	0	0	50	1430	430	2822	5371	415	541	704	11713
103 MGMT OF SALINE SOILS	48	18.8	52.4	224	0	4	0	0	0	100	329	73	399	2765	254	365	116	4302
104 ALTERN USE OF LAND	50	10.6	15.5	201	36	52	0	0	0	0	289	93	192	1153	18	20	220	1986
105 CONSERV USE OF WATER	137	37.7	81.6	679	44	20	0	0	0	0	743	335	1293	3590	161	262	312	6696
106 DRAIN AND IRRIGATION	46	25.7	34.5	182	0	11	0	0	0	0	193	76	160	1582	42	137	4304	6494
107 WATERSHED PROT & MGM	68	19.0	30.5	80	209	75	0	0	0	0	364	620	439	1146	28	55	340	2992
108 ECON LEG PROB OF WAT	32	11.9	20.5	162	6	0	0	0	0	0	168	58	354	797	11	78	34	1500
109 WEATHER ADAPT & MOD	45	17.9	34.4	223	57	1	0	0	0	0	281	27	722	1169	13	85	74	2371
110 APPRAIS FORST & RANG	59	16.5	30.4	96	292	0	0	0	0	0	388	71	713	1094	48	64	341	2720
111 BIOL CULT MGMT FORST	126	48.4	116.5	82	969	23	143	0	0	0	1221	923	910	4316	471	590	557	8988
112 IMPROV RANGE RESOR	110	34.4	71.5	595	177	220	0	0	0	0	992	328	614	3558	155	73	881	6602
113 REMOTE SENSING	29	5.8	16.8	74	109	0	0	0	0	0	182	216	225	512	55	34	22	1247
114 RSCH ON MGMT OF RSCH	15	11.5	62.9	436	67	24	0	0	0	0	527	76	45	12820	570	253	59	14350
SUBTOTAL			759.2		2196		201		0		7480		9396		2477		8026	
		342.3		4244		690		0		150		3521		41514		2623		75036
SERIES 200																		
201 CNTRL FORST INSECTS	45	6.8	25.2	110	70	25	485	0	0	0	691	64	81	749	5	141	22	1753
202 CONTROL FOREST DIS	39	9.5	31.8	87	130	3	0	0	0	0	221	113	75	1274	4	219	45	1951
203 FOREST FIRE PROTECT	12	2.7	5.8	1	22	0	0	0	0	0	23	67	83	172	0	3	69	417
204 CNTR PESTS FRT & VEG	178	48.6	159.8	1178	0	522	0	0	0	222	1922	295	451	7690	149	720	379	11607
205 CNTR DISE FRT & VEG	238	67.3	225.5	1308	0	442	134	0	0	0	1884	456	422	10244	176	1087	526	14794
206 CNTR WEEDS FRT & VEG	54	8.8	31.2	235	0	19	60	0	0	0	314	37	182	1166	44	54	85	1882
207 CNTR PESTS FLD CROPS	126	37.1	93.2	792	0	138	182	0	0	0	1111	588	341	4171	83	332	209	6835
208 CNTR DIS FIELD CROPS	145	37.0	106.0	552	0	466	50	0	0	0	1068	379	478	4673	96	570	391	7654
209 CNTR WEEDS FLD CROPS	85	24.0	64.6	342	11	131	115	0	0	0	599	305	127	2419	132	294	414	4289
210 CONTR PESTS ANIMALS	23	7.6	14.6	139	8	2	0	0	70	0	219	5	45	707	50	171	64	1260
211 CONTR DIS ANIMALS	200	168.6	496.2	861	0	1096	603	0	737	0	3302	808	10901	16628	3912	1811	1212	38574
212 CNTR INTER PARASITES	29	7.3	16.5	237	0	171	0	0	53	0	460	4	171	552	71	100	18	1377
213 PROT ANMLS FROM TOXI	30	37.3	83.8	79	5	7	0	0	76	0	167	48	3765	1419	1072	703	890	8065
214 PROTECT FROM POLLUTI	55	17.7	113.8	307	36	383	0	0	13	0	739	796	3976	1747	11	101	28	7397
SUBTOTAL			1468.0		283		1634		949		12720		21097		5807		4350	
		480.4		6229		3403		0		222		3965		53608		6306		107853
SERIES 300																		
301 GENET BREED FORST TR	21	8.0	25.9	12	210	25	19	0	0	0	266	63	232	876	2	178	33	1651
302 IMP FOREST ENG SYS	15	7.0	14.1	12	53	209	40	0	0	0	306	20	121	612	17	43	35	1153
303 ECON TIMBER PRODUCTN	11	3.8	10.1	0	82	161	0	0	0	0	244	64	0	363	0	29	59	759
304 IMP BIO EFF FRT & VE	280	90.9	268.8	1498	0	213	383	0	0	0	2094	1087	799	12728	571	751	754	18783
305 MECH PROD FRT & VEGS	16	6.2	11.2	97	0	8	0	0	0	0	105	0	0	855	73	95	49	1178
306 PROD MGMT SYS F & V	27	5.5	14.4	57	0	1	0	0	0	0	58	9	17	822	28	19	61	1015
307 IMP BIO EFF FLD CRP	262	82.6	260.1	1509	0	154	750	0	0	0	2412	1237	3059	10762	943	1051	970	20434
308 MECH PROD FIELD CROP	115	4.6	11.5	71	0	41	0	0	0	0	112	21	20	608	6	168	12	946
309 PROD MGMT SYS FLD CR	62	14.8	30.8	167	0	62	0	0	0	0	229	25	46	1508	70	86	82	2046
310 ANIMAL REPRODUCTION	115	40.7	135.0	1138	0	124	535	0	97	0	1895	883	2104	4725	1664	796	148	12214
311 IMP BIO EFF ANML PR	202	82.6	275.0	2024	0	48	435	0	86	0	2593	214	1655	10885	2293	2789	310	20739
312 ENV STRESS IN ANMI P	32	11.5	29.3	184	0	0	0	0	0	0	184	13	118	1580	211	61	26	2193
313 PROD MGMT SYS ANML P	42	10.9	21.0	297	0	0	0	0	0	0	297	15	21	1144	68	46	13	1606
314 BEES OTH POLLNTNG IN	21	5.9	12.7	92	0	0	0	0	0	0	92	61	4	1011	2	47	30	1246
315 IMP STRUC FARM SUPP	10	2.1	2.9	21	0	0	0	0	0	0	21	4	8	202	12	4	40	290
316 FARM BUSINESS MGMT	26	6.8	8.2	99	0	0	0	0	0	0	99	28	22	601	25	4	59	840
318 NON COM BIO TECH/EIM	427	173.3	490.6	1480	32	160	3555	0	8	95	5330	769	9918	19865	329	2141	711	39065
SUBTOTAL			1621.5		378		5719		191		16338		18144		6315		3394	
		557.1		8758		1198		0		95		4512		69149		8308		126159
SERIES 400																		
401 NEW IMP FOREST PROD	68	23.5	55.2	2	353	328	511	0	0	42	1236	140	95	2706	96	328	32	4632
402 PROD F & V IMP ACCEP	86	16.9	55.1	196	0	153	0	0	0	0	349	288	237	2985	84	307	132	4381
403 NEW & IMP F & V PROD	40	13.6	27.3	95	0	32	0	0	0	0	127	5	60	1542	2	312	85	2133
404 MKT QUAL FRTS & VEGS	53	15.4	44.8	222	0	186	0	0	0	0	407	22	51	2319	7	545	68	3419
405 PROD FLD CROP IMP AC	62	22.2	88.4	334	0	61	15	0	0	0	410	350	1085	1759	820	614	278	5316
406 NEW IMP FOOD FLD CRO	19	6.9	19.9	166	0	0	0	0	0	0	166	33	38	675	18	83	191	1202
407 NEW IMP NON FOOD FC	19	6.2	16.7	40	0	181	46	0	0	0	267	52	177	636	7	19	27	1185
408 MKT QUAL FIELD CROPS	9	2.1	2.6	66	0	0	0	0	0	0	66	0	0	138	56	28	6	294
409 PROD ANML PR IMP ACC	18	6.5	15.8	134	0	0	0	0	0	0	134	1	331	702	57	197	69	1489
410 IMP MEAT MILK EGG PR	47	15.2	32.4	289	0	0	9	0	0	0	298	304	84	1163	148	579	162	2738
411 IMP NON FOOD ANML PR	7	3.6	4.6	31	31	0	0	0	0	25	87	0	77	171	0	44	13	392
412 MKT QUAL ANIMAL PROD	12	3.6	7.4	100	0	0	0	0	0	0	100	0	231	260	10	17	66	684
SUBTOTAL			370.3		384		581		0		3647		2465		1307		1129	
		135.7		1674		940		0		67		1193		15054		3071		27866
SERIES 500																		
501 IMP GRADES & STANDS	7	0.5	0.9	15	0	0	0	0	0	0	15	0	0	65	2	5	3	90
502 MKTG TIMBER PRODUCTS	7	3.2	7.6	0	62	178	0	0	0	0	240	108	0	103	0	65	6	524
503 MKTG EFF AGRI PROIS	26	7.9	9.4	137	0	0	0	0	0	0	137	47	138	627	8	5	50	1012
506 SPLY DEMAND AND PRIC	30	11.5	16.1	186	0	0	0	0	0	0	186	45	151	1201	14	84	14	1695
507 COMP REL IN AGRIC	9	2.8	3.1	44	0	0	0	0	0	0	44	2	123	203	3	3	1	379
508 DOMESTIC MKT DEVELP	14	3.3	2.7	37	0	0	0	0	0	0	37	2	123	227	3	16	11	419
509 PERFORMANCE MKTG SYS	30	8.4	11.0	122	0	0	0	0	0	0	122	50	4	795	16	26	43	1056
510 GROUP ACT MKT POWER	3	0.7	2.7	7	0	0	0	0	0	0	7	4	1	98	0	9	0	119
511 IMP AGRIC STATISTICS	10	1.8	4.6	10	0	0	0	0	0	0	10	26	40	114	9	16	17	231
512 IMP GRADES FRST PROD	4	0.9	1.1	0	41	0	0	0	0	25	66	0	1	39	35	0	0	140
513 PRICE ANAL FRST PROD	7	2.1	3.3	0	44	0	0	0	0	0	44	11	5	149	0	4	20	233
SUBTOTAL			62.6		147		0		0		908		585		91		164	
		43.2		557		178		0		25		294		3622		234		5898
SERIES 600																		
601 FGN MKT DEVELP	33	15.5	39.1	128	26	101	0	0	0	0	256	454	23	1941	13	237	456	3379
602 EVAL FGN FOOD AID PG	1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	14	0	0	0	15
603 TECH AID DEV CRTY	10	3.1	2.8	3	0	1	0	0	0	0	3	27	165	290	2	19	1	507
604 PRD DVLPMT/MKTG FRGN	8	2.0	6.6	14	0	0	0	0	0	0	14	155	37	100	3	9	194	512
SUBTOTAL			48.6		26		0		0		273		225		17		651	
		20.7		145		102		0		0		636		2345		265		4413

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /REP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	34	19.7	40.1	144	0	766	0	0	8	0	918	9	1178	1468	1	85	58	3717
702 FOOD PRCT FROM TOX	31	14.0	35.7	254	0	0	0	0	0	0	254	3	1302	1417	14	108	100	3198
703 FOOD CONSUMP HABITS	33	12.4	26.7	295	0	34	0	0	0	0	328	66	52	930	12	166	134	1689
704 HOME COMM FOOD SERV	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
705 SEL CARE CLOTH & TEX	18	5.1	11.7	40	0	0	0	0	0	0	40	37	10	386	1	5	9	489
706 CONTR INSECTS AFF MA	33	14.4	42.6	154	26	0	0	0	0	0	180	34	216	2300	25	346	58	3159
707 TRANS ANIML MAN IIS	7	1.4	4.5	8	0	0	0	0	3	0	11	6	103	221	1	10	10	362
708 HUMAN NUTRITION	68	28.1	100.8	376	0	0	156	0	0	0	532	85	1085	2675	23	829	210	5438
709 REDUCE HAZ HLTH & SF	14	3.7	8.6	47	0	0	0	0	0	0	47	1	183	300	7	0	5	544
SUBTOTAL			270.7		26		156		11		2311		4128		84		584	
		98.9		1318		800		0		0		242		9698		1549		18596
SERIES 800																		
801 RURAL HOUSING	7	1.0	1.1	2	0	0	0	0	0	0	2	0	1	78	1	0	30	112
802 INDIV & FAM DEC MAKI	51	24.1	22.0	184	0	19	0	0	0	0	203	7	75	791	24	80	101	1282
803 RURAL POVERTY	4	0.9	2.2	6	0	19	0	0	0	0	25	6	0	76	4	66	0	177
804 ECON POTENT RURL REO	19	3.2	4.3	38	17	0	0	0	0	25	80	3	79	377	14	2	37	592
805 COMMUNICAT EDUC PROC	22	15.0	10.6	37	0	0	0	0	0	0	37	16	152	602	18	5	57	887
806 ADJUSTMENT TO CHANGE	53	19.7	18.3	278	0	19	0	0	0	0	297	19	80	1100	27	83	48	1654
807 AGRIC ECONOMIC CHANG	25	10.4	15.4	129	0	117	0	0	0	0	246	107	70	861	3	58	16	1360
808 GOVT PROGRAMS	9	3.1	1.9	47	0	0	0	0	0	0	47	72	0	133	1	1	5	258
SUBTOTAL			75.8		17		0		0		937		457		92		294	
		77.4		721		174		0		25		229		4019		294		6322
SERIES 900																		
901 ALLEV POLLUTION	111	40.0	146.9	573	14	146	0	0	0	0	733	405	1899	5130	190	514	506	9376
902 OUTDOOR RECREATION	51	12.8	23.5	119	89	1	0	0	0	0	209	207	347	1196	10	31	216	2217
903 MULTI USE FOREST POT	25	9.0	14.0	36	284	0	0	0	0	0	320	158	177	517	3	26	90	1291
904 WLDLFE AND FISH ECOL	184	63.8	173.4	267	278	410	57	0	76	0	1089	458	1844	7687	76	388	1196	12738
905 TREES BEAUTIFICATION	21	5.2	11.3	66	0	2	0	0	0	0	67	84	55	656	16	76	26	980
906 ORNAMENT & TURF DEV	109	36.8	79.7	494	0	37	0	0	0	0	531	94	217	4404	89	355	243	5933
907 RURAL INCOME IMP	28	9.3	8.6	87	21	19	0	0	0	0	126	2	65	621	15	73	39	941
908 RURAL INSTITUT IMP	31	5.3	9.6	110	10	19	0	0	0	0	139	1	79	539	11	51	91	912
SUBTOTAL			467.0		696		57		76		3215		4682		411		2406	
		182.2		1752		634		0		0		1408		20751		1514		34388
SCIENCE IN SERV OF MAN GRAND TOTAL			5143.6		4154		8348		1227		47829		61178		16601		20998	
		1938.0		25398		8118		0		584		16000		219760		24166		406531

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS	STAFF OTHER YRS	HATH /RRP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	1045	324.8	1059.5	7097	298	887	0	0	0	1	8282	2363	6877	35757	2965	4647	5902	66792
0200 WATER	684	210.5	559.1	3596	190	256	0	0	0	1	4043	1519	3898	20501	1060	2535	7133	40689
0300 WATERSHEDS RIVER BAS	132	31.6	97.3	471	339	50	0	0	0	0	860	589	678	3416	117	498	766	6924
0400 AIR AND CLIMATE	104	26.8	89.3	684	26	28	17	0	0	0	755	104	1185	2732	228	133	265	5403
0500 RECREATION RESOURCES	98	27.4	56.0	298	313	16	0	0	0	0	627	262	463	2883	30	97	420	4782
0600 TIMBER FORST PRODUCT	1029	394.7	1094.8	2439	10324	1863	1653	0	0	0	16284	5979	3882	38277	1342	5748	5099	76610
0700 RANGE	267	98.8	227.7	2048	196	376	0	0	0	0	2621	659	2255	8508	1538	405	1411	17399
0800 WILDLIFE AND FISH	608	254.5	917.1	2558	921	1975	115	0	129	0	5699	1738	8886	26147	1621	3702	8694	56486
0900 CITRUS SUB TROP FRUT	299	116.9	357.7	1378	0	1041	115	0	0	0	2533	1049	525	17194	312	1165	352	23131
1000 FRUIT NUTS DECIDUOUS	949	319.4	1195.2	8281	13	1666	49	0	0	0	10009	1956	1625	45336	2174	4717	3240	69057
1100 POTATOES	327	87.1	365.8	2131	0	1484	94	0	0	0	3709	1641	900	9593	792	1168	1095	18898
1200 VEGETABLES	1311	427.6	1526.1	10729	0	2320	589	0	0	0	13638	1260	4000	54815	2315	4352	3988	84368
1300 ORNAMENTALS TURF	555	208.0	661.6	4785	5	156	20	0	0	0	4966	376	605	26479	866	3635	1624	38551
1400 CORN	865	200.6	733.2	5070	2	336	795	0	0	0	6204	1325	3249	22722	1633	5082	2742	42957
1500 GRAIN SORGHUM	286	62.9	224.7	1005	0	90	6	0	0	0	1101	470	2050	7022	954	640	624	12861
1600 RICE	146	50.2	204.0	642	0	80	92	0	0	0	813	222	960	6375	341	1155	1783	11648
1700 WHEAT	696	203.4	616.7	3557	0	764	493	0	0	0	4815	1626	3298	20608	2434	2455	2755	37992
1800 OTHER SMALL GRAINS	352	81.8	284.1	1730	0	61	190	0	0	0	1981	561	968	8953	701	1829	1343	16336
1900 PASTURE	115	22.9	99.0	920	14	116	0	0	0	0	1050	100	63	2594	386	123	331	4647
2000 FORAGE CROPS	783	203.0	699.5	6195	0	717	152	0	0	0	7064	1100	1575	26048	2265	1764	1310	41127
2100 COTTON	321	102.7	365.2	2397	0	271	108	0	0	0	2776	276	538	13305	1375	1642	1265	21177
2200 COTTONSEED	8	0.8	3.1	23	0	0	0	0	0	0	23	6	4	126	5	34	8	206
2300 SOYBEANS	839	208.0	728.2	5230	0	991	747	0	0	0	6968	1102	1242	25090	1537	3786	3144	42869
2400 PEANUTS	146	39.3	176.3	742	0	82	0	0	0	0	824	247	590	5595	230	488	573	8548
2500 OTHER OILSEED CROPS	114	31.9	100.8	556	0	201	0	0	0	328	1085	657	285	3098	235	570	397	6327
2600 TOBACCO	149	51.0	190.9	975	0	0	0	0	0	0	975	102	377	8807	316	304	788	11668
2700 SUGAR CROPS	126	38.1	181.4	983	0	148	0	0	0	0	1131	25	49	4957	280	1075	119	7636
2800 MISC NEW CROPS	175	43.0	170.5	892	0	462	0	0	0	0	1354	618	1402	4809	367	895	469	9913
2900 POULTRY	631	223.9	890.8	6958	0	812	822	0	498	0	9089	333	1350	33814	2602	3198	2432	52818
3000 BEEF CATTLE	1191	395.5	1634.7	10256	5	1365	1616	0	1168	0	14410	2861	3182	60998	18689	5902	3015	108157
3100 DAIRY CATTLE	1037	314.0	1486.5	10489	0	1174	861	0	800	0	13324	1057	3738	46988	10184	9861	3643	88396
3200 SWINE	604	164.4	769.1	6372	0	519	1235	0	429	0	8556	734	779	25527	6814	2489	4241	49140
3300 SHEEP AND WOOL	337	83.1	335.4	2477	0	384	562	0	195	0	3618	622	1089	11665	2672	1212	568	21447
3400 OTHER ANIMALS	300	77.1	280.9	1492	0	166	169	0	379	0	2196	81	3130	11446	1639	1401	683	20575
3500 BEES AND HONEY	43	12.0	39.9	200	0	8	35	0	0	0	243	193	10	1772	92	65	50	2425
3600 FARM SUPP & FACILITS	90	26.6	58.7	435	5	170	0	0	0	0	610	92	152	2658	350	488	264	4613
3700 CLOTHING & TEXTILES	82	22.0	55.1	437	0	0	0	0	0	0	437	50	146	1735	65	226	62	2720
3800 FOOD	401	159.9	503.0	4093	0	1173	425	0	0	0	5691	806	5398	16217	636	4024	1752	34525
3900 HOUSING & EQUIP	135	44.8	113.6	1156	79	13	0	0	0	0	1248	207	92	4986	186	371	426	7515
4000 PEOPLE AS INDIVIDUAL	532	154.7	470.4	2564	35	136	461	0	3	0	3199	104	3902	13473	1235	1587	2020	25521
4100 FAMILY MEMBERS	266	88.0	154.7	1234	0	36	0	0	0	0	1270	142	1419	5740	334	260	334	9499
4200 FARM AS BUSINESS	195	68.8	134.0	1427	4	188	0	0	0	0	1619	218	131	6228	346	181	218	8942
4300 SOC POLIT ORGANIZ	345	112.5	285.6	2848	11	451	0	0	0	0	3310	879	2458	9057	513	1029	1214	18459
4400 AGRIC ECONOMY U S	156	55.8	135.6	1184	10	1303	0	0	0	0	2497	523	184	5755	129	475	539	10101
4500 AGRIC ECONOMY FORGN	53	33.0	61.5	164	0	1097	0	0	0	0	1261	192	3976	2086	52	702	576	8846
4600 FARM COOPERATIVES	28	5.6	12.3	122	0	11	0	0	0	0	133	81	9	456	30	89	42	839
4700 OTH MARKET PROCESS	20	4.5	6.8	114	0	9	0	0	0	0	124	51	9	278	35	18	8	523
4800 MARKETING SYSTEMS	64	16.7	35.5	435	0	104	0	0	0	0	539	123	16	1578	38	36	91	2421
6100 WEEDS	129	31.4	115.4	845	3	119	120	0	0	0	1087	172	308	3977	143	845	468	7000
6200 SEED RESEARCH	58	19.5	88.7	337	0	0	0	0	0	0	337	202	275	1838	1980	239	230	5100
6300 BIO CELL SYSTEMS	268	98.1	444.0	1591	20	68	322	0	17	0	2019	118	10667	9442	785	1583	1141	25754
6400 EXP DESIGN/STAT METH	107	41.1	80.6	355	9	0	0	0	0	0	364	1300	661	3407	363	289	467	6851
6500 INVERTEBRATES	445	150.6	430.2	2405	210	139	2406	0	69	18	5247	558	3643	16949	356	1287	781	28821
6600 MICROORGANISMS VIRUS	487	157.1	620.3	2429	20	326	2683	0	64	0	5522	559	10715	16750	554	2582	892	37573
6700 PLANTS	853	261.0	931.3	4308	10	2090	4560	0	0	0	10966	2643	7866	29882	1211	4171	2962	59702
6800 ANIMALS(VERTEBRATES)	374	127.1	443.8	2093	10	645	369	0	58	0	3176	363	9208	14750	1227	1693	1112	31529
6900 RESEARCH ON RSCH MGM	42	17.4	76.6	833	0	90	0	0	0	0	924	98	83	13492	583	260	80	15520
7000 RSCH EQUIP & TECHNOL	118	41.8	101.0	538	72	88	36	0	0	0	734	538	3371	3842	159	350	329	9324
TOTAL		6875.9	23780.8	147594	13146	29122	21923	0	3808	346	215939	43834	130395	827634	82423	101156	88280	1489661

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GI	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	209	79.0	236.4	1476	41	68	0	0	0	1	1586	635	1316	8675	720	1052	1704	15688
102 SOIL PLNT WTR NUTRI	777	267.8	876.2	5475	649	657	153	0	0	0	6934	1928	5172	29159	2880	3546	4632	54252
103 MGMT OF SALINE SOILS	74	22.6	79.8	341	2	4	70	0	0	0	417	123	380	3519	333	380	163	5315
104 ALTERN USE OF LAND	118	26.3	60.3	789	16	52	0	0	0	0	856	171	257	2717	74	110	972	5156
105 CONSERV USE OF WATER	326	93.8	274.9	1552	98	21	34	0	0	1	1704	971	1853	10543	604	1205	934	17813
106 DRAIN AND IRRIGATION	120	48.1	100.2	653	0	23	0	0	0	0	675	132	321	4340	195	487	4511	10661
107 WATERSHED PROT & MGM	159	54.5	149.1	772	324	82	0	0	0	0	1179	990	911	5015	269	832	828	10024
108 ECON LEG PROB OF WAT	74	22.3	33.1	358	8	0	0	0	0	0	366	111	320	1846	54	90	53	2840
109 WEATHER ADAPT & MOD	134	41.9	110.0	909	37	65	17	0	0	0	1029	127	1892	3927	259	260	263	7757
110 APPRAIS FOREST & RANG	105	36.1	84.0	266	650	20	0	0	0	0	935	222	1250	2954	233	293	684	6571
111 BIOL CULT MGMT FOREST	275	98.7	274.6	207	3383	200	471	0	0	0	4261	1951	1067	9114	406	1361	1157	19317
112 IMPROV RANGE RESOR	177	57.1	149.7	1306	167	242	0	0	0	0	1714	460	705	5875	1105	213	1016	11088
113 REMOTE SENSING	56	18.0	47.0	235	185	109	0	0	0	0	529	97	728	1784	91	41	169	3439
114 RSCH ON MGMT OF RSCH	42	17.4	76.6	833	0	90	0	0	0	0	924	98	83	13492	583	260	80	15520
SUBTOTAL			2551.8		5560		745		0		23111		16254		7806		17163	
		883.5		15171		1634		0		1		8016		102961		10130		185440
SERIES 200																		
201 CNTRL FORST INSECTS	145	32.4	107.0	469	782	34	1071	0	0	0	2357	852	291	3299	77	304	205	7385
202 CONTROL FOREST DIS	116	31.2	87.5	484	592	3	140	0	0	0	1220	174	312	3289	62	538	187	5782
203 FOREST FIRE PROTECT	5	1.5	4.4	1	46	0	0	0	0	0	46	4	20	158	0	3	63	295
204 CNTR PESTS FRT & VEG	514	137.6	528.0	3592	0	1127	41	0	0	0	4760	807	1160	18641	648	2066	1134	29215
205 CNTR DISE FRT & VEG	742	230.0	836.6	4634	13	1783	303	0	0	0	6733	2208	1211	30531	1089	3089	1966	46826
206 CNTR WEEDS FRT & VEG	167	38.4	133.5	1018	0	93	110	0	0	0	1221	59	269	4873	223	596	208	7449
207 CNTR PESTS FLD CROPS	611	187.2	641.2	4902	0	1437	868	0	0	0	7207	1300	1198	20595	946	2365	2249	35859
208 CNTR DIS FIELD CROPS	709	224.4	728.3	5248	0	1091	135	0	0	0	6474	1003	2046	25505	928	3749	2830	42535
209 CNTR WEEDS FLD CROPS	336	108.2	397.9	2882	11	378	101	0	0	0	3372	774	445	12970	1204	2802	2047	23613
210 CONTR PESTS ANIMALS	146	44.9	130.4	815	9	184	0	0	207	0	1215	146	385	4885	327	445	365	7768
211 CONTR DIS ANIMALS	731	256.2	899.2	4310	0	2690	1097	0	2476	0	10573	1140	5873	38407	3625	3688	2138	65444
212 CNTR INTER PARASITES	89	28.0	85.1	690	0	302	31	0	132	0	1155	12	418	3255	346	424	138	5746
213 PROT ANMLS FROM TOXI	83	30.7	107.8	547	5	36	0	0	133	0	721	33	986	3759	468	413	259	6639
214 PROTECT FROM POLLUTI	183	53.5	202.6	1236	284	915	42	0	60	0	2539	1932	2204	5982	96	576	485	13814
SUBTOTAL			4889.5		1742		3940		3009		49593		16816		10039		14274	
		1404.3		30828		10074		0		0		10441		176150		21057		298370
SERIES 300																		
301 GENET BREED FORST TR	87	37.1	126.1	234	956	25	175	0	0	0	1390	270	446	3574	57	603	1180	7521
302 IMP FOREST ENG SYS	30	8.9	23.8	35	188	257	40	0	0	0	520	37	65	1141	77	229	113	2182
303 ECON TIMBER PRODUCTN	57	19.6	50.6	18	758	39	0	0	0	0	815	77	52	2074	121	252	276	3668
304 IMP BIO EFF FRT & VE	949	323.3	1291.2	7804	0	1697	800	0	0	0	10302	1964	1889	45610	2491	3415	2904	68576
305 MECH PROD FRT & VEGS	84	24.9	66.0	775	0	18	0	0	0	0	794	9	95	3314	127	278	122	4739
306 PROD MGMT SYS F & V	128	27.0	105.2	607	0	173	0	0	0	0	780	88	53	3419	272	393	180	5186
307 IMP BIO EFF FLD CRP	1275	506.2	1979.7	11215	0	697	2454	0	0	148	14514	4101	7742	63723	6950	7836	6555	111421
308 MECH PROD FIELD CROP	96	29.0	81.8	733	0	44	0	0	0	0	776	120	60	3669	144	562	302	5633
309 PROD MGMT SYS FLD CR	360	94.3	293.3	2042	0	217	5	0	0	0	2264	294	291	11048	1419	1126	1420	17862
310 ANIMAL REPRODUCTION	534	188.6	894.2	7061	0	334	2635	0	215	0	10247	1400	4059	30089	8133	2852	1205	57985
311 IMP BIO EFF ANML PR	1105	449.0	2283.2	15446	0	418	1283	0	316	0	17468	2244	3725	75069	23011	9931	6816	138263
312 ENV STRESS IN ANML P	161	43.9	168.6	1100	0	-	-	-	-	-	-	-	-	-	-	-	-	-
313 PROD MGMT SYS ANML P	258	62.1	302.4	1967	0	108	0	0	0	0	2075	57	144	10111	2598	411	814	16211
314 BEES OTH POLLNTNG IN	43	12.0	39.9	200	0	8	35	0	0	0	243	193	10	1772	92	65	50	2425
315 IMP STRUC FARM SUPP	96	39.4	92.3	923	0	129	0	0	0	0	1052	219	28	4014	443	396	385	6537
316 FARM BUSINESS MGMT	145	47.0	100.1	921	0	72	0	0	0	0	992	151	112	4545	290	105	201	6396
317 MECH/STRUCTS ANML PR	27	5.2	15.9	105	0	0	0	0	0	0	105	88	5	845	60	12	22	1136
318 NCN COM BIO TECH/ENG	1357	521.9	1901.9	7571	107	310	7890	0	17	18	15914	1778	34464	54892	3230	7577	4323	122179
SUBTOTAL			9816.3		2010		15326		642		81761		53478		51376		27244	
		2439.5		59067		4552		0		166		13111		325396		36568		588934
SERIES 400																		
401 NEW IMP FOREST PROD	170	68.1	199.0	128	1266	1102	293	0	0	0	2788	465	449	7557	189	1443	755	13647
402 PROD F & V IMP ACCEP	272	49.0	171.3	974	0	366	0	0	0	0	1340	340	364	7459	244	737	407	10893
403 NEW & IMP F & V PROD	169	58.3	177.8	1138	0	167	0	0	0	0	1306	137	154	6907	370	893	708	10474
404 MKT QUAL FRTS & VEGS	175	59.0	161.2	1533	0	462	0	0	0	0	1994	85	232	7605	104	1103	697	11822
405 PROD FLD CROP IMP AC	269	80.6	338.2	1686	0	112	15	0	0	0	1813	762	1366	10143	1445	1944	1129	18600
406 NEW IMP FOOD FLD CRO	143	41.5	152.1	927	0	4	0	0	0	90	1021	91	364	4805	135	1032	787	8233
407 NEW IMP NON FOOD FC	89	26.3	107.3	386	0	243	183	0	0	90	902	102	368	3366	549	983	150	6421
408 MKT QUAL FIELD CROPS	84	28.2	70.2	586	0	0	0	0	0	0	586	132	774	2467	98	366	298	4720
409 PROD ANML PR IMP ACC	143	51.7	224.0	1871	0	206	65	0	0	0	2143	124	345	7802	1428	1403	365	13609
410 IMP MEAT MILK EGG PR	238	85.8	313.8	2250	0	44	9	0	0	0	2303	332	641	8406	1431	2085	2185	17383
411 IMP NON FOOD ANML PR	18	6.0	12.7	133	0	0	0	0	0	0	133	0	97	480	2	135	39	886
412 MKT QUAL ANIMAL PROD	78	18.6	59.1	551	0	0	0	0	0	0	551	12	40	2240	94	800	221	3958
SUBTOTAL			1986.7		1266		565		0		16881		5193		6087		7743	
		573.1		12163		2707		0		179		2581		69236		12924		120646
SERIES 500																		
501 IMP GRADES & STANLS	51	10.7	28.9	236	0	22	0	0	0	0	258	70	119	1071	81	114	77	1790
502 MKTG TIMBER PRODUCTS	31	8.4	7.9	23	156	0	0	0	0	0	179	145	8	523	12	34	123	1025
503 MKTG EFF AGRI PROES	145	45.3	82.3	1032	0	219	0	0	0	0	1251	427	486	3676	95	569	380	6885
506 SPLY DEMAND AND PRIC	189	58.3	136.2	1543	0	905	0	0	0	0	2448	389	417	5712	159	467	304	9896
507 COMP REL IN AGRIC	57	9.7	18.9	256	0	69	0	0	0	0	325	15	134	862	38	17	29	1418
508 DOMESTIC MKT DEVELP	54	12.5	30.1	258	0	67	0	0	0	0	325	42	225	1134	47	156	199	2128
509 PERFORMANCE MKTG SYS	142	37.5	77.3	1214	0	105	0	0	0	0	1319	321	43	3219	106	125	117	5250
510 GROUP ACT MKT POWER	21	3.9	8.7	97	0	30	0	0	0	0	127	40	3	337	26	50	9	592
511 IMP AGRIC STATISTICS	39	8.3	16.9	166	18	77	0	0	0	0	261	1222	54	672	49	111	101	2469
512 IMP GRADES FRST PROD	9	0.8	4.4	7	60	145	0	0	0	0	211	2	17	84	35	12	0	361
513 PRICE ANAL FRST PROD	18	6.3	9.2	11	143	0	0	0	0	0	154	120	13	448	6	28	146	915
SUBTOTAL			420.9		377		0		0		6857		1518		653		1486	
		201.7		4841		1639		0		0		2793		17738		1685		32730
SERIES 600																		
601 FGN MKT DEVELP	115	50.5	112.2	770	46	1480	0	0	0	0	2295	936	2455	3851	103	762	1117	11520
602 EVAL FGN FOOD AID PG	4	1.1	3.0	1	0	0	0	0	0	0	1	39	109	91	0	21	0	260
603 TECH AID DEV CRTY	49	26.5	48.0	112	0	80	0	0	0	0	192	141	7036	1405	39	192	317	9322
604 PRD DVLPMT/MKTG FGN	29	7.9	24.9	142	52	36	0	0	0	0	229	218	46	709	24	208	202	1638
SUBTOTAL			188.1		97		0		0		2717		9646		167		1636	
		86.1		1024		1595		0		0		1334		6057		1184		22741

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	MATH /RRP	MCIN STEN	SP GT	COMP GI	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
701 TOX RES IN FOOD	128	45.0	135.5	1109	0	2646	0	0	35	0	3790	35	1417	3471	210	249	482	9654
702 FOOD PROT FROM TOX	151	50.4	214.3	1442	0	113	0	0	23	0	1579	180	2539	6496	153	1388	678	13013
703 FOOD CONSUMP HABITS	116	33.2	111.4	720	0	97	0	0	0	0	818	345	548	2786	182	500	355	5535
704 HOME COMM FOOD SERV	28	8.0	16.9	263	0	0	4	0	0	0	267	0	3	674	19	95	58	1116
705 SEL CARE CLOTH & TEX	71	16.2	46.6	325	0	0	0	0	0	0	325	40	86	1339	48	225	50	2114
706 CONTR INSECTS AFF MA	112	37.5	98.3	676	26	77	0	0	0	0	779	58	601	4689	85	647	284	7144
707 TRANS ANIML MAN DIS	24	5.8	21.5	27	0	0	0	0	3	0	31	6	258	491	48	59	175	1068
708 HUMAN NUTRITION	332	120.8	476.6	2484	0	9	1212	0	0	0	3705	269	6783	11543	1128	2642	1949	28019
709 REDUCE HAZ HLTH & SF	61	14.3	36.9	280	0	0	0	0	0	0	280	39	395	1584	19	168	111	2597
SUBTOTAL			1157.9		26		1216		61		11573		12629		1894		4142	
		331.3		7327		2943		0		0		973		33074		5974		70260
SERIES 800																		
801 RURAL HOUSING	46	10.2	34.9	194	0	0	0	0	0	0	194	61	75	1182	68	86	106	1772
802 INDIV & FAM DEC MAKI	198	59.9	110.6	693	0	19	0	0	0	0	712	12	450	4112	283	152	313	6034
803 RURAL POVERTY	20	2.6	17.2	47	0	36	0	0	0	0	83	6	28	232	52	68	83	551
804 ECON POTENT RURL REO	81	18.8	33.8	593	8	75	0	0	0	0	666	9	81	1384	73	6	47	2266
805 COMMUNICAT EDUC PROC	130	47.6	103.2	408	27	4	0	0	0	0	438	36	443	4138	248	301	381	5985
806 ADJUSTMENT TO CHANGE	184	59.7	116.0	1051	0	53	0	0	0	0	1104	210	1056	4137	240	445	220	7413
807 AGRIC ECONOMIC CHANG	147	56.4	109.8	1282	10	228	0	0	0	0	1519	282	128	4916	236	351	539	7970
808 GOVT PROGRAMS	51	14.7	36.6	335	9	268	0	0	0	0	612	144	28	1517	58	60	297	2715
SUBTOTAL			562.0		53		0		0		5329		2289		1256		1985	
		270.0		4592		683		0		0		761		21618		1469		34706
SERIES 900																		
901 ALLEV POLLUTION	444	144.3	485.2	3316	200	1028	0	0	0	0	4544	877	3336	16100	696	2635	2223	30412
902 OUTDOOR RECREATION	99	28.4	53.9	301	296	16	0	0	0	0	613	246	426	2827	22	92	394	4621
903 MULTI USE FOREST POT	78	23.8	59.6	143	685	0	0	0	0	0	828	193	637	1865	52	90	521	4187
904 WLDLFE AND FISH ECOL	519	215.2	798.0	2040	706	1753	111	0	97	0	4706	1545	7305	23027	1471	3431	7409	48894
905 TREES BEAUTIFICATION	94	21.3	54.1	375	114	2	20	0	0	0	512	120	98	2530	115	165	79	3619
906 ORNAMENT & TURF DEV	508	181.8	592.3	4227	5	154	0	0	0	0	4386	277	537	23411	637	3325	1308	33881
907 RURAL INCOME IMP	115	37.3	76.7	1008	9	138	0	0	0	0	1155	101	126	2788	53	157	199	4579
908 RURAL INSTITUT IMP	144	34.4	87.9	1170	0	203	0	0	0	0	1372	464	107	2858	98	270	471	5641
SUBTOTAL			2207.6		2015		131		97		18116		12572		3144		12606	
		686.5		12579		3294		0		0		3825		75405		10166		135834
SCIENCE IN SERV OF MAN GRAND TOTAL			23780.8		13146		21923		3808		215939		130395		82423		38280	
		6875.9		147594		29122		0		346		43834		827634		101156		1489661

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /RRP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	48	11.9	31.7	0	171	0	8	0	0	0	180	134	252	1404	0	152	86	2208
0200 WATER	27	15.9	34.2	0	65	0	0	0	0	0	65	120	849	1552	8	38	27	2658
0300 WATERSHEDS RIVER BAS	24	7.8	21.9	0	79	0	0	0	0	0	79	27	297	1154	0	4	3	1565
0400 AIR AND CLIMATE	11	5.4	18.1	0	15	0	0	0	0	0	15	87	115	915	0	8	161	1302
0500 RECREATION RESOURCES	36	6.5	16.5	0	117	0	0	0	0	0	117	226	226	457	0	0	137	1163
0600 TIMBER FORST PRODUCT	417	163.8	421.4	0	2691	1024	516	0	0	0	4231	2335	2199	17501	498	2833	2238	31835
0700 RANGE	10	3.6	4.8	0	19	13	0	0	0	0	32	15	0	317	23	0	36	423
0800 WILDLIFE AND FISH	88	18.1	39.8	0	409	0	0	0	0	0	409	185	550	1022	0	58	478	2701
1000 FRUIT NUTS DECIDUOUS	2	0.2	0.7	0	3	0	0	0	0	0	3	0	0	6	0	0	15	24
1300 ORNAMENTALS TURF	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
2000 FORAGE CROPS	2	0.0	0.6	0	0	0	0	0	0	0	0	5	0	0	0	0	21	26
2800 MISC NEW CROPS	1	0.2	0.1	0	0	0	0	0	0	0	0	0	0	4	0	0	10	14
3900 HOUSING & EQUIP	2	0.4	1.9	0	0	0	0	0	0	0	0	0	0	43	0	34	0	77
4000 PEOPLE AS INDIVIDUAL	5	0.5	1.5	0	25	0	0	0	0	0	25	5	0	41	0	4	49	123
4300 SOC POLIT ORGANIZ	5	1.3	2.9	0	65	0	0	0	0	0	65	0	20	146	0	0	0	231
6100 WEEDS	1	0.0	0.6	0	0	0	24	0	0	0	24	0	0	0	0	0	0	24
6300 BIO CELL SYSTEMS	2	2.5	2.0	0	0	0	0	0	0	0	0	0	117	73	0	0	14	203
6400 EXP DESIGN/STAT METH	2	0.2	2.0	0	28	0	0	0	0	0	28	4	4	26	0	11	51	125
6500 INVERTEBRATES	5	0.6	1.0	0	9	0	26	0	0	0	34	0	16	53	0	0	14	116
6600 MICROORGANISMS VIRUS	16	1.8	6.7	0	23	0	0	0	0	0	23	38	58	239	0	24	141	522
6700 PLANTS	9	4.2	4.9	0	0	0	68	0	0	0	68	0	125	105	0	66	16	381
6800 ANIMALS(VERTEBRATES)	2	0.7	0.4	0	0	0	0	0	0	0	0	0	19	40	0	4	0	62
6900 RESEARCH ON RSCH MGM	2	2.0	1.3	0	165	0	0	0	0	0	165	0	0	48	0	0	5	218
7000 RSCH EQUIP & TECHNOL	17	4.0	10.3	0	43	0	0	0	0	0	43	49	163	222	0	60	197	732
TOTAL		247.6	625.5	0	3926	1038	642	0	0	0	5605	3229	5008	25367	528	3295	3702	46735

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS	STAFF OTHER	HATH /RRP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
101 APPRAIS OF SOIL RESO	12	2.5	5.1	0	70	0	0	0	0	0	70	29	35	160	0	0	56	349
102 SOIL PLNT WTR NUTRI	37	9.1	28.5	0	204	0	8	0	0	0	212	167	825	685	0	193	81	2163
103 MGMT OF SALINE SOILS	1	0.2	0.4	0	35	0	0	0	0	0	35	0	0	20	0	0	1	56
104 ALTERN USE OF LAND	3	0.2	0.7	0	29	0	0	0	0	0	29	0	0	38	0	0	1	68
105 CONSERV USE OF WATER	2	2.6	3.2	0	0	0	0	0	0	0	0	0	305	36	0	0	0	341
107 WATERSHED PROT & MGM	19	6.8	14.8	0	100	0	0	0	0	0	100	118	180	536	8	16	10	967
108 ECON LEG PRCB OF WAT	1	1.7	2.7	0	0	0	0	0	0	0	0	0	274	0	0	0	0	274
109 WEATHER ADAPT & MOD	10	2.5	4.5	0	57	0	0	0	0	0	57	0	198	33	0	0	9	298
110 APPRAIS FORST & RANG	46	6.9	18.8	0	342	0	0	0	0	0	342	123	151	507	24	16	254	1417
111 BIOL CULT MGMT FOFST	116	50.6	132.0	0	444	0	53	0	0	0	496	826	657	5529	466	629	868	9472
112 IMPROV RANGE RESOR	6	3.3	3.9	0	15	10	0	0	0	0	25	3	0	304	23	0	18	375
113 REMOTE SENSING	16	2.3	7.8	0	142	0	0	0	0	0	142	173	62	130	0	20	2	529
114 RSCH ON MGMT OF RSCH	2	2.0	1.3	0	165	0	0	0	0	0	165	0	0	48	0	0	5	218
SUBTOTAL			223.8		1603		61		0		1674		2686		522		1306	
		90.7		0		10		0		0		1439		8027		874		16528
SERIES 200																		
201 CNTRL FORST INSECTS	25	4.1	12.7	0	128	0	73	0	0	0	201	71	97	413	0	20	17	820
202 CONTROL FOREST DIS	32	4.9	14.7	0	241	0	21	0	0	0	262	131	21	440	2	53	38	947
203 FOREST FIRE PROTECT	9	1.5	2.1	0	1	0	0	0	0	0	1	64	63	24	0	0	12	164
209 CNTR WEEDS FLD CROPS	2	0.0	0.6	0	0	3	24	0	0	0	27	0	0	2	0	0	0	29
214 PROTECT FROM POLLUTI	19	5.1	21.9	0	72	1	0	0	0	0	74	395	213	423	0	146	293	1543
SUBTOTAL			52.1		442		118		0		565		394		2		360	
		15.5		0		5		0		0		661		1302		218		3503
SERIES 300																		
301 GENET BREED FORST TR	28	17.3	53.3	0	273	0	0	0	0	0	273	185	229	2749	2	283	145	3866
302 IMP FOREST ENG SYS	15	5.5	13.9	0	65	200	0	0	0	0	265	9	79	448	0	45	160	1006
303 ECON TIMBER PRODUCTN	15	4.3	9.1	0	92	161	0	0	0	0	253	64	2	493	3	0	7	823
304 IMP BIO EFF FRT & VE	1	0.1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15
307 IMP BIO EFF FLD CRP	1	0.2	0.1	0	0	0	0	0	0	0	0	0	0	4	0	0	10	14
318 NON COM BIO TECH/BIM	15	8.3	14.8	0	60	0	129	0	0	0	189	9	312	294	0	48	201	1055
SUBTOTAL			91.7		490		129		0		980		622		5		540	
		35.8		0		362		0		0		267		3989		376		6779
SERIES 400																		
401 NEW IMP FOREST PROD	86	49.3	99.4	0	369	414	302	0	0	0	1085	144	152	5126	0	1335	386	8228
407 NEW IMP NON FOOD FC	1	0.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21
411 IMP NON FOOD ANML PR	1	0.5	0.2	0	31	0	0	0	0	0	31	0	0	0	0	0	0	31
SUBTOTAL			100.1		401		302		0		1117		152		0		407	
		49.8		0		414		0		0		144		5126		1335		8280
SERIES 500																		
502 MKTG TIMBER PRODUCTS	8	4.0	9.8	0	178	178	0	0	0	0	356	107	0	92	0	65	6	626
512 IMP GRADES FRST PROD	1	0.3	0.7	0	0	0	32	0	0	0	32	0	0	40	0	0	0	71
513 PRICE ANAL FRST PROD	6	1.1	2.3	0	56	0	0	0	0	0	56	11	0	24	0	0	15	105
SUBTOTAL			12.8		234		32		0		444		0		0		21	
		5.4		0		178		0		0		117		155		65		803
SERIES 600																		
601 FGN MKT DEVELP	3	1.0	7.3	0	0	69	0	0	0	0	69	7	1	572	0	125	12	786
603 TECH AID DEV CRTY	1	0.3	0.4	0	0	0	0	0	0	0	0	0	10	23	0	0	0	33
SUBTOTAL			7.7		0		0		0		69		11		0		12	
		1.2		0		69		0		0		7		595		125		819
SERIES 700																		
702 FOOD PROT FROM TOX	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	4
707 TRANS ANIML MAN DIS	1	0.0	0.4	0	0	0	0	0	0	0	0	0	0	9	0	0	13	22
708 HUMAN NUTRITION	1	0.0	0.0	0	3	0	0	0	0	0	3	1	0	0	0	0	1	5
SUBTOTAL			0.4		3		0		0		3		0		0		15	
		0.1		0		0		0		0		1		11		0		31
SERIES 800																		
804 ECON POTENT RURL REO	1	0.2	0.5	0	9	0	0	0	0	0	9	0	0	23	0	0	0	33
805 COMMUNICAT EDUC PROC	3	0.9	1.9	0	49	0	0	0	0	0	49	5	11	50	0	4	35	154
806 ADJUSTMENT TO CHANGE	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
SUBTOTAL			2.4		59		0		0		59		11		0		35	
		1.1		0		0		0		0		5		75		4		188
SERIES 900																		
901 ALLEV POLLUTION	30	24.3	70.7	0	14	0	0	0	0	0	14	146	434	4186	0	275	288	5343
902 OUTDOOR RECREATION	31	5.7	14.0	0	109	0	0	0	0	0	109	183	210	433	0	0	132	1067
903 MULTI USE FOREST POT	20	4.0	10.6	0	154	0	0	0	0	0	154	78	55	474	0	0	12	774
904 WLDLFE AND FISH ECOL	82	13.6	37.8	0	386	0	0	0	0	0	386	175	434	903	0	23	572	2493
905 TREES BEAUTIFICATION	2	0.1	0.1	0	0	0	0	0	0	0	0	4	0	9	0	0	0	14
906 ORNAMENT & TURF DEV	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
907 RURAL INCOME IMP	2	0.3	0.6	0	21	0	0	0	0	0	21	0	0	39	0	0	0	60
908 RURAL INSTITUT IMP	1	0.1	0.6	0	10	0	0	0	0	0	10	0	0	41	0	0	0	51
SUBTOTAL			134.5		694		0		0		694		1133		0		1005	
		48.0		0		0		0		0		587		6085		298		9803
SCIENCE IN SERV OF MAN GRAND TOTAL			625.5		3926		642		0		5605		5008		528		3702	
		247.6		0		1038		0		0		3229		25367		3295		46735

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /RRP	MCIN STRN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	9	4.0	9.3	0	0	0	0	564	0	0	564	0	0	4	8	0	0	577
0200 WATER	2	0.6	5.7	0	0	0	0	198	0	0	198	0	0	0	3	0	0	201
0300 WATERSHEDS RIVER BAS	2	2.0	2.0	0	0	0	0	176	0	0	176	0	0	0	0	0	0	176
0400 AIR AND CLIMATE	2	0.3	1.5	0	0	0	0	101	0	0	101	0	0	0	0	0	0	101
0600 TIMBER FORST PRODUCT	4	2.1	6.4	0	0	0	0	354	0	0	354	0	0	19	0	0	0	372
0700 RANGE	1	1.2	0.9	0	0	0	0	112	0	0	112	0	0	0	2	0	0	114
0800 WILDLIFE AND FISH	16	12.2	24.5	0	0	0	0	1451	0	0	1451	83	0	37	0	1	0	1571
0900 CITRUS SUB TROP FRUT	2	0.3	0.9	0	0	0	0	53	0	0	53	0	0	0	0	0	0	54
1000 FRUIT NUTS DECIDUOUS	6	4.0	10.8	0	0	0	0	511	0	0	511	0	0	5	0	0	0	517
1100 POTATOES	1	0.5	0.9	0	0	0	0	56	0	0	56	0	0	0	4	0	0	61
1200 VEGETABLES	24	21.4	49.5	0	0	0	0	2449	0	0	2449	0	0	15	16	0	0	2480
1300 ORNAMENTALS TURF	2	1.4	4.8	0	0	0	0	200	0	0	200	0	0	0	0	0	0	200
1400 CORN	3	2.1	5.5	0	0	0	0	324	0	0	324	0	0	0	2	0	0	326
1500 GRAIN SORGHUM	2	0.3	0.2	0	0	0	0	43	0	0	43	0	0	0	0	0	0	43
1700 WHEAT	4	0.6	1.0	0	0	0	0	90	0	0	90	0	0	3	0	0	0	93
1800 OTHER SMALL GRAINS	2	0.5	0.8	0	0	0	0	104	0	0	104	0	0	11	0	0	0	115
1900 PASTURE	1	0.4	2.6	0	0	0	0	68	0	0	68	0	0	0	0	0	0	68
2000 FORAGE CROPS	8	3.0	9.3	0	0	0	0	446	0	0	446	0	0	30	4	0	0	480
2300 SOYBEANS	21	16.8	39.6	0	0	0	0	2149	0	0	2149	20	0	69	22	0	0	2260
2400 PEANUTS	3	2.8	3.3	0	0	0	0	103	0	0	103	0	116	0	0	0	0	219
2500 OTHER OILSEED CROPS	2	1.3	4.3	0	0	0	0	147	0	0	147	0	0	0	0	0	0	147
2800 MISC NEW CROPS	1	0.6	2.1	0	0	0	0	69	0	0	69	0	0	0	0	0	0	69
2900 POULTRY	7	2.7	17.8	0	0	0	0	614	0	0	614	49	0	12	8	0	0	682
3000 BEEF CATTLE	8	3.1	17.5	0	0	0	0	624	0	0	624	0	0	5	69	0	35	733
3100 DAIRY CATTLE	5	1.9	4.2	0	0	0	0	254	0	0	254	0	0	61	1	0	0	316
3200 SWINE	8	6.1	24.6	0	0	0	0	970	0	0	970	0	0	4	59	0	32	1066
3300 SHEEP AND WOOL	1	1.4	2.7	0	0	0	0	112	0	0	112	0	0	0	30	0	32	174
3400 OTHER ANIMALS	19	23.1	58.2	0	0	61	0	3499	0	0	3561	0	0	20	5	0	0	3585
3700 CLOTHING & TEXTILES	13	4.1	9.6	0	0	0	0	489	0	0	489	0	0	2	0	0	0	491
3800 FOOD	14	5.8	15.1	0	0	0	0	743	0	0	743	0	0	1	2	0	0	746
3900 HOUSING & EQUIP	8	2.1	5.6	0	0	0	0	280	0	0	280	0	0	1	0	0	0	282
4000 PEOPLE AS INDIVIDUAL	29	15.3	45.6	0	0	0	0	2014	0	0	2014	0	0	9	29	0	0	2052
4100 FAMILY MEMBERS	12	4.9	13.1	0	0	0	0	533	0	0	533	0	0	1	2	0	0	537
4200 FARM AS BUSINESS	9	3.4	8.7	0	0	0	0	450	0	0	450	0	0	7	7	0	0	464
4300 SOC POLIT ORGANIZ	18	8.4	22.6	0	0	0	0	1123	0	0	1123	0	0	41	1	0	0	1165
4400 AGRIC ECONOMY U S	2	0.5	0.2	0	0	0	0	52	0	0	52	0	0	3	1	0	0	56
4700 OTH MARKET PROCESS	2	0.8	1.5	0	0	0	0	103	0	0	103	0	0	0	1	0	0	104
4800 MARKETING SYSTEMS	5	1.8	8.1	0	0	0	0	303	0	0	303	0	0	0	9	0	0	312
6100 WEEDS	1	0.1	0.6	0	0	0	0	36	0	0	36	0	0	0	0	0	0	36
6300 BIO CELL SYSTEMS	2	0.8	1.9	0	0	0	0	156	0	0	156	0	0	9	0	0	0	165
6500 INVERTEBRATES	1	1.0	0.5	0	0	0	0	59	0	0	59	0	0	0	0	0	0	59
6700 PLANTS	1	0.2	0.5	0	0	0	0	44	0	0	44	0	0	0	0	0	0	44
6800 ANIMALS(VERTEBRATES)	4	2.8	6.3	0	0	0	0	497	0	0	497	0	0	0	1	0	0	499
7000 RSCH EQUIP & TECHNOL	1	0.8	1.6	0	0	0	0	148	0	0	148	0	0	0	0	0	0	148
TOTAL		169.7	452.5	0	0	61	0	22871	0	0	22933	151	116	368	288	1	100	23957

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	----STAFF---- SUPPORT YRS		HATH /RRF	MCIN STEN	SP GT	COMP GT	ZWNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
		SYS	OTHER															
SERIES 100																		
102 SOIL PLNT WTR NUTRI	11	5.5	16.6	0	0	0	0	862	0	0	862	0	0	0	14	0	0	875
103 MGMT OF SALINE SOILS	1	0.2	1.5	0	0	0	0	95	0	0	95	0	0	5	0	0	0	100
104 ALTERN USE OF LAND	2	0.4	0.9	0	0	0	0	51	0	0	51	0	0	0	0	0	0	51
105 CONSERV USE OF WATER	3	2.4	2.2	0	0	0	0	215	0	0	215	0	0	0	0	0	0	215
109 WEATHER ADAPT & MOD	1	0.3	0.6	0	0	0	0	40	0	0	40	0	0	0	0	0	0	40
110 APPRAIS FORST & RANG	1	0.9	0.7	0	0	0	0	84	0	0	84	0	0	0	2	0	0	85
111 BIOL CULT MGMT FORST	1	0.6	1.7	0	0	0	0	69	0	0	69	0	0	4	0	0	0	73
112 IMPROV RANGE RESOR	1	0.3	0.2	0	0	0	0	28	0	0	28	0	0	0	1	0	0	28
113 REMOTE SENSING	1	0.9	0.5	0	0	0	0	86	0	0	86	0	0	4	0	0	0	90
SUBTOTAL			25.0		0		0		0		1529		0		16		0	
		11.5		0		0		1529		0		0		13		0		1558
SERIES 200																		
204 CNTR PESTS FRT & VEG	2	1.2	2.4	0	0	0	0	137	0	0	137	0	0	0	0	0	0	137
205 CNTR DISE FRT & VEG	3	0.4	0.8	0	0	0	0	43	0	0	43	0	0	0	0	0	0	43
206 CNTR WEEDS FRT & VEG	3	0.6	1.7	0	0	0	0	104	0	0	104	0	0	0	0	0	0	104
207 CNTR PESTS FLD CROPS	5	6.5	16.0	0	0	0	0	591	0	0	591	0	0	6	4	0	0	601
208 CNTR DIS FIELD CROPS	1	0.8	0.0	0	0	0	0	69	0	0	69	0	0	4	0	0	0	73
211 CONTR DIS ANIMALS	3	1.4	9.2	0	0	0	0	353	0	0	353	0	0	1	26	0	0	380
213 PROT ANMLS FROM TOXI	2	0.4	0.7	0	0	0	0	55	0	0	55	0	0	0	1	0	0	56
214 PROTECT FROM POLLUTI	1	1.4	2.7	0	0	0	0	259	0	0	259	0	0	0	0	0	0	259
SUBTOTAL			33.5		0		0		0		1611		0		30		0	
		12.8		0		0		1611		0		0		11		0		1653
SERIES 300																		
301 GENET BREED FORST TR	2	1.3	3.7	0	0	0	0	227	0	0	227	0	0	0	0	0	0	227
304 IMP BIO EFF FRT & VE	20	18.4	40.5	0	0	0	0	2012	0	0	2012	0	0	20	4	0	0	2036
306 PROD MGMT SYS F & V	1	0.4	2.3	0	0	0	0	87	0	0	87	0	0	0	0	0	0	87
307 IMP BIO EFF FLD CRP	19	11.3	29.7	0	0	0	0	1710	0	0	1710	20	0	84	22	0	0	1837
309 PROD MGMT SYS FLD CR	2	2.3	7.2	0	0	0	0	258	0	0	258	0	0	0	0	0	0	258
310 ANIMAL REPRODUCTION	11	10.0	33.5	0	0	18	0	1165	0	0	1180	0	0	0	110	0	100	1389
311 IMP BIO EFF ANML PR	24	18.5	62.9	0	0	40	0	3395	0	0	3436	29	0	71	22	0	0	3558
312 ENV STRESS IN ANMI P	2	0.7	3.8	0	0	0	0	132	0	0	132	0	0	0	0	0	0	133
313 PROD MGMT SYS ANMI P	1	0.0	0.2	0	0	0	0	5	0	0	5	19	0	4	0	0	0	29
316 FARM BUSINESS MGMT	6	2.8	7.3	0	0	0	0	367	0	0	367	0	0	0	4	0	0	371
318 NON COM BIO TECH/ELM	2	0.8	1.9	0	0	0	0	156	0	0	156	0	0	9	0	0	0	165
SUBTOTAL			193.1		0		0		0		9570		0		162		100	
		66.6		0		54		9515		0		69		189		1		10090
SERIES 400																		
402 PROD F & V IMP ACCEP	2	0.4	1.2	0	0	0	0	68	0	0	68	0	0	0	0	0	0	68
403 NEW & IMP F & V PROD	3	1.1	2.0	0	0	0	0	110	0	0	110	0	0	0	4	0	0	114
404 MKT QUAL FRTS & VEGS	1	0.6	0.6	0	0	0	0	51	0	0	51	0	0	0	0	0	0	51
405 PROD FLD CROP IMP AC	1	0.0	0.0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	7
406 NEW IMP FOOD FLD CRO	4	1.4	3.1	0	0	0	0	160	0	0	160	0	9	13	0	0	0	182
407 NEW IMP NON FOOD FC	1	0.3	0.3	0	0	0	0	13	0	0	13	0	0	0	0	0	0	13
408 MKT QUAL FIELD CROPS	3	1.8	3.8	0	0	0	0	242	0	0	242	0	5	0	0	0	0	246
409 PROD ANML PR IMP ACC	3	0.9	1.7	0	0	3	0	86	0	0	89	0	0	0	0	0	0	89
410 IMP MEAT MILK EGG PR	4	2.7	4.0	0	0	2	0	418	0	0	420	0	0	0	0	0	0	420
411 IMP NON FOOD ANML PR	2	0.5	1.1	0	0	2	0	19	0	0	21	0	0	0	1	0	0	22
SUBTOTAL			18.0		0		0		0		1182		14		6		0	
		9.7		0		7		1175		0		0		13		0		1215
SERIES 500																		
506 SPLY DEMAND AND PRIC	4	1.4	4.2	0	0	0	0	228	0	0	228	0	0	0	1	0	0	229
507 COMP REL IN AGRIC	1	0.3	0.8	0	0	0	0	67	0	0	67	0	0	0	0	0	0	67
508 DOMESTIC MKT DEVELP	4	1.5	3.4	0	0	0	0	263	0	0	263	0	0	0	1	0	0	264
509 PERFORMANCE MKTG SYS	5	1.8	7.6	0	0	0	0	283	0	0	283	0	0	0	9	0	0	292
SUBTOTAL			16.0		0		0		0		841		0		11		0	
		5.0		0		0		841		0		0		0		0		852
SERIES 600																		
603 TECH AID DEV CRTY	2	1.3	0.7	0	0	0	0	0	0	0	0	0	89	0	0	0	0	89
SUBTOTAL			0.7		0		0		0		0		89		0		0	
		1.3		0		0		0		0		0		0		0		89

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF SUPPORT YRS	STAFF OTHER	HATH /RRP	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 700																		
702 FOOD PROT FROM TOX	4	1.1	3.3	0	0	0	0	179	0	0	179	0	4	9	8	0	0	200
703 FOOD CONSUMP HABITS	17	6.3	16.4	0	0	0	0	784	0	0	784	0	9	1	0	0	0	795
705 SEL CARE CLOTH & TEX	12	3.8	9.3	0	0	0	0	476	0	0	476	0	0	2	0	0	0	478
707 TRANS ANIML MAN DIS	1	0.0	1.1	0	0	0	0	75	0	0	75	0	0	0	0	0	0	75
708 HUMAN NUTRITION	20	9.4	22.7	0	0	0	0	1170	0	0	1170	0	0	17	23	0	0	1210
SUBTOTAL		20.7	52.9	0	0	0	0	2684	0	0	2684	0	14	29	31	0	0	2758
SERIES 800																		
801 RURAL HOUSING	13	3.3	8.6	0	0	0	0	420	0	0	420	0	0	2	2	0	0	423
802 INDIV & FAM DEC MAKI	12	4.3	8.2	0	0	0	0	476	0	0	476	0	0	0	9	0	0	485
803 RURAL POVERTY	3	0.7	1.3	0	0	0	0	64	0	0	64	0	0	0	0	0	0	64
804 ECON POTENT RURL REG	13	5.9	21.7	0	0	0	0	791	0	0	791	0	0	8	18	0	0	817
805 COMMUNICAT EDUC PROC	6	3.6	11.3	0	0	0	0	486	0	0	486	0	0	8	0	0	0	494
806 ADJUSTMENT TO CHANGE	8	3.1	10.8	0	0	0	0	414	0	0	414	0	0	0	1	0	0	415
807 AGRIC ECONOMIC CHANG	5	2.4	6.4	0	0	0	0	375	0	0	375	0	0	17	3	0	0	395
SUBTOTAL		23.2	68.2	0	0	0	0	3026	0	0	3026	0	0	35	32	0	0	3093
SERIES 900																		
901 ALLEV POLLUTION	4	1.1	8.1	0	0	0	0	350	0	0	350	0	0	0	0	0	0	350
904 WLDLFE AND FISH ECOL	17	13.2	25.0	0	0	0	0	1509	0	0	1509	83	0	37	0	1	0	1629
905 TREES BEAUTIFICATION	1	0.2	1.0	0	0	0	0	58	0	0	58	0	0	15	0	0	0	73
906 ORNAMENT & TURF DEV	2	1.4	4.8	0	0	0	0	200	0	0	200	0	0	0	0	0	0	200
907 RURAL INCOME IMP	1	0.0	0.0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	3
908 RURAL INSTITUT IMP	5	2.9	6.3	0	0	0	0	369	0	0	369	0	0	26	0	0	0	395
SUBTOTAL		18.8	45.2	0	0	0	0	2489	0	0	2489	83	0	78	0	1	0	2650
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		169.7	452.5	0	0	61	0	22871	0	0	22933	151	116	368	288	1	100	23957

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YRS SUPPORT SYS	STAFF-YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0800 WILDLIFE AND FISH	27	9.3	36.1	0	0	0	42	0	44	0	87	80	667	939	45	15	226	2058
2900 POULTRY	86	27.9	91.5	0	0	301	25	0	204	0	530	74	449	3987	138	443	359	5981
3000 BEEF CATTLE	151	79.7	191.0	0	0	150	178	0	341	0	669	360	5652	4395	2416	1047	829	15368
3100 DAIRY CATTLE	152	46.3	176.9	0	0	234	188	0	279	0	701	462	1485	3521	1762	1980	730	10642
3200 SWINE	144	35.6	99.1	0	0	308	0	0	155	0	463	282	706	4779	513	758	467	7967
3300 SHEEP AND WOOL	46	23.1	67.4	0	0	114	81	0	93	0	288	97	2470	1224	525	197	270	5070
3400 OTHER ANIMALS	298	114.5	453.4	0	0	79	6	0	183	0	269	22	10647	7232	1853	1631	4220	25874
3800 FOOD	1	0.1	1.0	0	0	0	0	0	0	0	0	0	0	8	6	0	8	22
4000 PEOPLE AS INDIVIDUAL	9	7.3	37.5	0	0	0	0	0	0	0	0	0	897	386	186	111	77	1658
4100 FAMILY MEMBERS	2	0.2	0.8	0	0	0	0	0	0	0	0	0	1	2	29	0	0	32
6300 BIO CELL SYSTEMS	5	2.9	19.5	0	0	0	0	0	0	0	0	0	292	249	34	23	29	627
6600 MICROORGANISMS VIRUS	12	3.7	6.4	0	0	0	21	0	9	0	30	9	3	391	38	15	17	503
6800 ANIMALS(VERTEBRATES)	141	117.9	395.2	0	0	0	0	0	55	0	55	76	9088	13546	1625	579	2664	27632
7000 RSCH EQUIP & TECHNOL	3	0.5	3.6	0	0	0	0	0	0	0	0	0	18	90	6	1	0	116
TOTAL		469.1	1579.5	0	0	1186	542	0	1363	0	3091	1461	32376	40750	9174	6800	9897	103549

NATIONAL TOTAL SCHOOLS OF VETERINARY MEDICINE

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF-YRS SUPPORT SYS	STAFF-YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 200																		
210 CONTR PESTS ANIMALS	2	2.0	1.0	0	0	0	0	0	0	0	0	0	0	116	6	0	23	145
211 CONTR DIS ANIMALS	573	302.6	994.3	0	0	1006	125	0	1047	0	2178	1151	14659	30282	6306	3579	5930	64084
212 CNTR INTER PARASITES	27	6.0	23.3	0	0	0	0	0	25	0	25	3	435	371	132	171	159	1295
213 PROT ANMLS FROM TCXI	37	47.3	110.0	0	0	0	0	0	110	0	110	31	3772	2534	1207	751	1846	10253
214 PROTECT FROM POLLUTI	15	16.4	84.7	0	0	0	0	0	21	0	21	11	3973	915	177	103	335	5535
SUBTOTAL		374.3	1213.3	0	0	1006	125	0	1203	0	2334	1196	22839	34219	7828	4604	8293	81313
SERIES 300																		
310 ANIMAL REPRODUCTION	53	20.4	104.5	0	0	95	312	0	65	0	472	0	2588	1985	539	180	352	6116
311 IMP BIO EFF ANML PR	91	34.0	92.2	0	0	55	0	0	34	0	89	0	3968	1681	295	1683	621	8338
312 ENV STRESS IN ANML P	22	11.2	17.9	0	0	23	0	0	3	0	26	0	450	739	79	49	136	1479
313 PROD MGMT SYS ANML P	1	0.2	0.0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18
318 NON COM BIO TECH/EIM	21	9.1	54.1	0	0	0	0	0	2	0	2	0	964	626	98	41	230	1961
SUBTOTAL		74.9	268.6	0	0	173	312	0	104	0	589	0	7971	5051	1010	1954	1339	17913
SERIES 400																		
409 PROD ANML PR IMP ACC	5	0.3	9.1	0	0	8	62	0	3	0	73	0	1	53	23	26	17	194
410 IMP MEAT MILK EGG PR	1	0.3	0.6	0	0	0	0	0	3	0	3	0	35	24	0	0	9	70
412 MKT QUAL ANIMAL PROD	3	0.7	5.1	0	0	0	0	0	0	0	0	0	231	87	0	0	14	331
SUBTOTAL		1.4	14.7	0	0	8	62	0	6	0	76	0	267	163	23	26	40	596
SERIES 500																		
511 IMP AGRIC STATISTICS	1	0.2	3.0	0	0	0	0	0	0	0	0	0	0	69	0	0	0	69
SUBTOTAL		0.2	3.0	0	0	0	0	0	0	0	0	0	0	69	0	0	0	69
SERIES 700																		
701 TOX RES IN FOOD	2	2.6	5.1	0	0	0	0	0	8	0	8	151	0	12	56	0	46	273
707 TRANS ANIML MAN DIS	8	6.9	28.2	0	0	0	0	0	0	0	0	0	713	326	196	111	77	1423
708 HUMAN NUTRITION	1	0.4	6.7	0	0	0	0	0	0	0	0	34	0	0	0	89	0	124
709 REDUCE HAZ HLTH & SF	2	0.5	10.1	0	0	0	0	0	0	0	0	0	185	62	19	0	0	266
SUBTOTAL		10.3	50.1	0	0	0	0	0	8	0	8	185	898	400	271	200	123	2086
SERIES 800																		
806 ADJUSTMENT TO CHANGE	1	0.1	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL		0.1	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SERIES 900																		
904 WLDLFE AND FISH ECOL	24	7.8	29.7	0	0	0	42	0	41	0	84	80	401	849	42	15	101	1572
SUBTOTAL		7.8	29.7	0	0	0	42	0	41	0	84	80	401	849	42	15	101	1572
SCIENCE IN SERV OF MAN																		
GRAND TOTAL		469.1	1579.5	0	0	1186	542	0	1363	0	3091	1461	32376	40750	9174	6800	9897	103549

TABLE IV-B SUMMARY BY COMMODITY OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /REF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
0100 SOIL AND LAND	2	1.0	2.0	0	0	0	0	0	0	144	144	50	0	0	0	0	0	194
0200 WATER	1	1.0	0.8	0	0	0	0	0	0	100	100	0	23	0	0	6	0	128
0600 TIMBER FORST PRODUCT	42	4.9	26.0	0	0	0	1475	0	0	67	1542	22	63	44	0	0	7	1678
0700 RANGE	2	0.0	0.0	0	0	25	0	0	0	0	25	0	17	0	0	0	0	42
0800 WILDLIFE AND FISH	3	0.0	3.6	0	0	348	0	0	0	0	348	0	0	0	0	0	0	348
0900 CITRUS SUB TROP FRUT	1	0.0	0.0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	5
1000 FRUIT NUTS DECIDUOUS	1	1.0	0.2	0	0	0	0	0	0	63	63	0	0	0	0	0	0	63
1200 VEGETABLES	9	4.6	3.4	0	0	0	149	0	0	259	408	112	1	8	0	0	0	529
1400 CORN	12	1.2	4.7	0	0	3	342	0	0	0	345	16	1	17	0	0	0	379
1500 GRAIN SORGHUM	3	0.0	0.2	0	0	4	33	0	0	0	37	0	47	0	0	27	0	110
1700 WHEAT	2	0.2	0.3	0	0	3	77	0	0	0	80	0	0	0	0	0	0	80
1800 OTHER SMALL GRAINS	3	0.6	2.0	0	0	1	75	0	0	0	76	0	102	0	0	0	0	178
2000 FORAGE CROPS	1	0.0	0.0	0	0	0	29	0	0	0	29	0	0	0	0	0	0	29
2100 COTTON	1	0.0	0.0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	5
2300 SOYBEANS	3	2.0	0.5	0	0	0	132	0	0	0	132	0	0	0	0	0	0	132
2500 OTHER OILSEED CROPS	1	0.0	0.0	0	0	0	41	0	0	0	41	0	0	0	0	0	0	41
2600 TOBACCO	2	0.2	1.1	0	0	0	58	0	0	0	58	0	85	0	0	0	0	143
2700 SUGAR CROPS	1	0.5	0.5	0	0	0	0	0	0	110	110	0	0	0	0	0	0	110
2900 POULTRY	14	4.3	11.1	0	0	0	716	0	0	8	724	0	29	0	0	0	14	767
3000 BEEF CATTLE	17	3.8	10.4	0	0	87	806	0	0	50	943	0	8	31	0	0	14	996
3100 DAIRY CATTLE	3	0.6	0.4	0	0	123	12	0	0	25	160	0	0	0	0	0	0	160
3200 SWINE	7	1.7	11.2	0	0	45	282	0	0	115	442	0	36	12	0	14	0	504
3400 OTHER ANIMALS	9	0.8	8.3	0	0	0	379	0	0	25	404	0	0	0	0	0	8	412
3800 FOOD	3	3.5	5.3	0	0	0	0	0	0	248	248	0	0	0	0	0	0	248
3900 HOUSING & EQUIP	1	0.0	0.0	0	0	0	21	0	0	0	21	0	0	0	0	0	0	21
4000 PEOPLE AS INDIVIDUAL	8	1.0	7.4	0	0	0	308	0	0	44	352	0	0	70	0	0	0	422
4100 FAMILY MEMBERS	2	0.7	1.3	0	0	0	54	0	0	0	54	0	0	0	0	0	0	54
4300 SOC POLIT ORGANIZ	2	0.0	2.6	0	0	0	0	0	0	153	153	0	0	0	0	0	0	153
6300 BIO CELL SYSTEMS	2	0.3	0.3	0	0	0	19	0	0	0	19	0	0	0	0	0	0	19
6500 INVERTEBRATES	33	7.9	15.0	0	0	0	1038	0	0	95	1133	36	487	61	0	0	0	1717
6600 MICROORGANISMS VIRUS	44	11.2	25.7	0	0	0	1907	0	0	0	1907	0	423	4	0	0	0	2333
6700 PLANTS	57	11.4	25.9	0	0	0	2432	0	0	47	2479	0	443	57	0	0	42	3022
6800 ANIMALS (VERTEBRATES)	6	1.8	2.6	0	0	0	320	0	0	0	320	0	28	0	0	0	0	347
7000 RSCH EQUIP & TECHNOL	3	2.5	5.6	0	0	479	29	0	0	0	508	0	0	1	0	0	0	509
TOTAL		68.9	178.4	0	0	1118	10742	0	0	1552	13412	236	1791	304	0	46	85	15874

TABLE IV-D SUMMARY BY PROBLEM AREA OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

CLASSIFICATION CATEGORY	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	MATH /RRF	MCIN SIEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SERIES 100																		
102 SOIL PLNT WTR NUTRI	2	0.0	0.3	0	0	0	12	0	0	50	62	50	0	0	0	0	0	112
103 MGMT OF SALINE SOILS	2	1.0	0.8	0	0	0	41	0	0	100	141	0	23	0	0	6	0	169
105 CONSERV USE OF WATER	1	0.0	0.1	0	0	0	5	0	0	0	5	0	0	0	0	0	0	5
106 DRAIN AND IRRIGATION	1	1.0	2.0	0	0	0	0	0	0	94	94	0	0	0	0	0	0	94
109 WEATHER ADAPT & MCD	1	1.0	0.2	0	0	0	0	0	0	63	63	0	0	0	0	0	0	63
111 BIOL CULT MGMT FOREST	10	0.9	8.1	0	0	0	389	0	0	0	389	0	0	38	0	0	0	428
112 IMPROV RANGE RESOR	2	0.0	0.0	0	0	25	0	0	0	0	25	0	17	0	0	0	0	42
SUBTOTAL			11.6		0		448		0		780		39		0		0	
		3.9		0		25		0		307		50		38		6		913
SERIES 200																		
201 CNTRL FORST INSECTS	6	1.4	2.8	0	0	0	170	0	0	0	170	0	61	0	0	0	6	238
202 CONTROL FOREST DIS	3	0.1	0.5	0	0	0	142	0	0	0	142	0	0	0	0	0	0	142
204 CNTR PESTS FRT & VEG	6	2.6	3.7	0	0	0	56	0	0	306	362	0	0	0	0	0	0	362
206 CNTR WEEDS FRT & VEG	1	0.0	0.0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
207 CNTR PESTS FLD CROPS	6	1.9	3.5	0	0	0	137	0	0	0	137	36	0	0	0	0	0	172
208 CNTR DIS FIELD CROPS	2	0.0	1.3	0	0	0	100	0	0	0	100	0	0	0	0	0	0	100
209 CNTR WEEDS FLD CROPS	2	0.0	0.0	0	0	11	0	0	0	0	11	0	10	0	0	0	0	21
210 CONTR PESTS ANIMALS	2	0.0	0.0	0	0	17	0	0	0	0	17	0	0	0	0	0	0	17
211 CONTR DIS ANIMALS	23	6.9	15.9	0	0	238	1054	0	0	13	1304	0	87	43	0	14	24	1472
213 PROT ANMLS FROM TOXI	1	0.0	1.0	0	0	0	30	0	0	0	30	0	0	0	0	0	0	30
SUBTOTAL			28.8		0		1690		0		2274		159		0		30	
		13.0		0		266		0		318		36		43		14		2556
SERIES 300																		
301 GENET BREED FORST TR	3	0.5	3.4	0	0	0	93	0	0	0	93	0	0	0	0	0	1	94
302 IMP FOREST ENG SYS	4	0.1	4.1	0	0	0	82	0	0	0	82	0	0	2	0	0	0	84
304 IMP BIO EFF FRT & VE	6	2.7	1.5	0	0	0	149	0	0	0	149	112	0	8	0	0	0	269
307 IMP BIO EFF FLD CRP	20	4.4	11.9	0	0	0	849	0	0	22	871	16	225	17	0	27	0	1155
308 MECH PROD FIELD CROP	1	0.4	0.4	0	0	0	0	0	0	88	88	0	0	0	0	0	0	88
310 ANIMAL REPRODUCTION	12	3.4	9.7	0	0	0	592	0	0	58	650	0	0	0	0	0	12	662
311 IMP BIO EFF ANML PR	10	2.0	8.8	0	0	0	582	0	0	0	582	0	14	0	0	0	0	596
312 ENV STRESS IN ANMI P	2	0.0	2.4	0	0	0	134	0	0	0	134	0	0	0	0	0	0	134
313 PROD MGMT SYS ANMI P	1	0.3	5.0	0	0	0	0	0	0	115	115	0	0	0	0	0	0	115
318 NON COM BIO TECH/EIM	113	29.2	59.2	0	0	479	4889	0	0	95	5463	0	1306	122	0	0	42	6933
SUBTOTAL			106.4		0		7371		0		8229		1545		0		56	
		43.0		0		479		0		378		128		147		27		10132
SERIES 400																		
401 NEW IMP FOREST PROD	19	2.8	9.6	0	0	0	787	0	0	42	829	22	48	5	0	0	0	903
407 NEW IMP NON FOOD PC	1	0.0	0.8	0	0	0	46	0	0	0	46	0	0	0	0	0	0	46
409 PROD ANML PR IMP ACC	1	2.4	3.4	0	0	0	0	0	0	42	42	0	0	0	0	0	0	42
411 IMP NON FOOD ANML PR	1	0.0	0.0	0	0	0	0	0	0	25	25	0	0	0	0	0	0	25
412 MKT QUAL ANIMAL PROD	1	0.3	0.2	0	0	0	0	0	0	13	13	0	0	0	0	0	0	13
SUBTOTAL			14.0		0		833		0		954		48		0		0	
		5.5		0		0		0		121		22		5		0		1028
SERIES 500																		
512 IMP GRADES FRST PROD	1	0.4	0.1	0	0	0	0	0	0	25	25	0	0	0	0	0	0	25
SUBTOTAL			0.1		0		0		0		25		0		0		0	
		0.4		0		0		0		25		0		0		0		25
SERIES 700																		
701 TOX RES IN FOOD	1	0.5	1.5	0	0	0	0	0	0	105	105	0	0	0	0	0	0	105
702 FOOD PROT FROM TOX	1	0.6	0.4	0	0	0	0	0	0	101	101	0	0	0	0	0	0	101
708 HUMAN NUTRITION	11	1.9	9.4	0	0	0	400	0	0	44	444	0	0	70	0	0	0	514
SUBTOTAL			11.3		0		400		0		650		0		0		0	
		3.0		0		0		0		250		0		70		0		720
SERIES 800																		
804 ECON POTENT RURL REG	1	0.0	0.0	0	0	0	0	0	0	25	25	0	0	0	0	0	0	25
SUBTOTAL			0.0		0		0		0		25		0		0		0	
		0.0		0		0		0		25		0		0		0		25
SERIES 900																		
904 WLDLFE AND FISH ECOL	3	0.0	3.6	0	0	348	0	0	0	0	348	0	0	0	0	0	0	348
908 RURAL INSTITUT IMP	1	0.0	2.6	0	0	0	0	0	0	128	128	0	0	0	0	0	0	128
SUBTOTAL			6.2		0		0		0		475		0		0		0	
		0.0		0		348		0		128		0		0		0		475
SCIENCE IN SERV OF MAN																		
GRAND TOTAL			178.4		0		10742		0		13412		1791		0		85	
		68.9		0		1118		0		1552		236		304		46		15874

TABLE IV-E SUMMARY BY STATION OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
CONNECTICUT	NEW HAVEN	64	45.5	29.7	676	141	20	11	0	0	0	848	0	27	4120	0	0	0	4995
CONNECTICUT	STORRS	55	23.9	69.9	835	46	111	36	0	23	0	1050	83	516	3447	0	84	184	5363
DIST OF COLUM	WASHINGTON	9	4.1	24.0	463	0	0	0	0	0	0	463	0	0	297	0	0	0	760
DELAWARE	NEWARK	135	31.9	73.7	1089	107	5	0	0	19	0	1219	28	178	3680	300	353	707	6464
MASSACHUSETTS	AMHERST	118	45.1	146.0	1864	232	212	309	0	14	0	2631	157	343	3767	372	907	271	8449
MARYLAND	COLLEGE PA	158	68.3	203.6	2067	210	132	110	0	46	0	2565	1220	1414	10951	664	153	745	17711
MAINE	ORONO	120	57.0	117.7	1535	493	234	173	0	16	0	2451	364	636	4391	533	961	1261	10598
NEW HAMPSHIRE	DURHAM	85	30.4	60.5	1199	293	0	0	0	10	0	1502	0	0	2337	168	0	0	4008
NEW JERSEY	NEW BRUNSW	251	98.4	188.5	2306	177	648	183	0	22	0	3336	115	621	9430	0	1351	2110	16963
NEW YORK	ITHACA	838	274.8	2205.6	3876	127	371	1213	0	67	1	5655	1587	10726	19497	7785	3580	8918	57748
NEW YORK	GENEVA	135	55.8	348.1	766	0	406	197	0	0	18	1387	484	249	6181	793	530	1095	10719
PENNSYLVANIA	COLLEGE PA	297	158.3	478.0	5132	413	761	400	0	72	0	6778	925	2229	15970	0	2312	2368	30581
RHODE ISLAND	KINGSTON	54	29.4	23.5	1039	87	0	0	0	7	0	1133	0	297	1507	0	0	18	2954
VERMONT	BURLINGTON	61	22.6	60.9	1191	0	255	27	0	18	0	1490	182	173	1871	0	864	0	4581
WEST VIRGINIA	MORGANTOWN	83	40.1	68.2	2256	317	71	30	0	13	0	2687	299	269	2674	444	123	194	6689
SUBTOTAL - SAES		2463	985.6	4097.9	26294	2644	3226	2688	0	324	19	35196	5445	17678	90118	11058	11218	17870	188583
FORESTRY SCH	SYRACUSE	135	86.9	220.3	0	387	0	267	0	0	0	653	170	1011	12515	0	1770	1345	17463
FORESTRY SCH	BURLINGTON	14	4.0	10.3	0	264	0	0	0	0	0	264	186	15	299	3	0	27	795
SUBTOTAL - FRSTY SCH		149	90.9	230.6	0	651	0	267	0	0	0	918	356	1026	12813	3	1770	1372	18258
DEL STATE COL	DOVER	7	5.7	4.0	0	0	0	0	472	0	0	472	0	0	89	0	0	0	561
MD. STATE COL	PRINCESS A	9	7.7	9.7	0	0	0	0	811	0	0	811	131	0	84	0	0	0	1026
SUBTOTAL - 1890/TUSK		16	13.4	13.7	0	0	0	0	1283	0	0	1283	131	0	173	0	0	0	1587
SCH VET MED	NEW YORK	140	73.7	483.5	0	0	159	145	0	235	0	539	169	5293	4723	2379	700	2963	16766
SCH VET MED	PENNSYLVAN	96	19.2	75.7	0	0	62	0	0	69	0	131	17	3595	898	12	331	1202	6186
SUBTOTAL - VET MED		236	92.9	559.2	0	0	222	145	0	304	0	670	186	8889	5621	2391	1031	4164	22953
OTH COOP INS	CONNECTICU	3	1.3	0.7	0	0	0	79	0	0	0	79	0	0	0	0	0	0	79
OTH COOP INS	MASSACHUSE	12	3.6	11.7	0	0	326	445	0	0	256	1027	0	0	0	0	0	0	1027
OTH COOP INS	MARYLAND	19	7.0	5.2	0	0	0	749	0	0	0	749	0	78	8	0	0	0	834
OTH COOP INS	N HAMPSHIR	2	0.9	1.0	0	0	0	136	0	0	0	136	16	0	0	0	0	0	152
OTH COOP INS	NEW JERSEY	2	0.6	1.8	0	0	0	106	0	0	25	131	0	0	0	0	0	0	131
OTH COOP INS	NEW YORK	17	4.5	5.1	0	0	0	653	0	0	0	653	0	131	0	0	0	4	789
OTH COOP INS	PENNSYLVAN	9	0.5	6.2	0	0	0	354	0	0	8	362	0	0	0	0	0	4	366
OTH COOP INS	RHODE ISLA	1	0.0	0.0	0	0	0	49	0	0	0	49	0	0	0	0	0	0	49
OTH COOP INS	VERMONT	1	0.0	0.0	0	0	0	48	0	0	0	48	0	165	0	0	0	0	212
SUBTOTAL - OCI		66	18.4	31.7	0	0	326	2618	0	0	289	3234	16	374	8	0	0	9	3640
TOTAL		2930	1201.2	4933.1	26294	3296	3774	5718	1283	628	308	41301	6134	27967	108733	13452	14019	23415	235020

TABLE IV-E SUMMARY BY STATION OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF SUPPORT YRS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
ALABAMA	AUBURN	230	122.7	588.6	3365	567	88	162	0	59	0	4241	697	806	17146	3559	1469	1442	29361
ARKANSAS	FAYETTEVIL	233	113.0	494.9	2902	487	775	142	0	74	0	4380	425	572	15943	0	1577	1964	24862
FLORIDA	GAINESVILL	682	398.4	1203.7	2447	470	1254	987	0	82	0	5239	2386	4580	58724	0	7694	3494	82117
GEORGIA	ATHENS	377	185.7	652.5	3965	554	507	480	0	21	0	5527	812	1399	35308	0	551	2810	46408
KENTUCKY	LEXINGTCN	176	122.1	407.9	4165	394	0	0	0	91	0	4650	0	0	14906	0	0	0	19556
LOUISIANA	BATON RCUG	460	214.7	251.5	2695	363	358	32	0	63	0	3510	322	465	18755	3272	2172	2166	33662
MISSISSIPPI	STATE CCLL	303	202.4	697.7	3473	608	2387	87	0	70	0	6624	550	755	20436	3144	1463	4624	37596
NORTH CAROLINA	RALEIGH	576	242.1	871.9	5504	576	300	876	0	111	0	7368	2616	7271	34750	1216	2329	5555	61105
OKLAHOMA	STILLWATER	215	121.5	339.2	2590	297	679	270	0	110	0	3946	212	1063	13921	1035	992	612	21782
PUERTO RICO	RIO PIEDRA	64	57.6	421.8	3608	79	441	0	0	0	0	4128	0	0	5751	1067	0	0	10946
SOUTH CAROLINA	CLEMSON	224	94.4	380.0	2893	0	581	26	0	22	0	3521	624	51	16032	0	1662	437	22328
TENNESSEE	KNOXVILLE	198	117.9	376.2	4050	395	80	147	0	84	0	4755	68	329	14606	3423	557	494	24232
TEXAS	COLLEGE ST	500	291.7	1535.7	5380	217	1071	959	0	375	0	8002	2503	5199	41014	8824	8143	14	73698
VIRGINIA	BLACKSBURG	318	174.6	580.5	3530	508	0	0	0	97	0	4135	1889	5178	23250	0	3740	3225	41417
VIRGIN ISLANDS	ST. THOMAS	17	5.4	27.5	687	0	176	0	0	0	0	863	0	0	297	18	0	0	1178
SUBTOTAL - SAES		4573	2464.2	8829.6	51254	5514	8697	4168	0	1257	0	70891	13105	27669	330838	25558	32349	26837	527247
FORESTRY SCH	RUSTON	13	2.8	0.0	0	149	0	0	0	0	0	149	0	0	216	0	0	0	365
FORESTRY SCH	CLEMSON	36	11.8	26.7	0	450	0	0	0	0	0	450	0	0	1198	0	0	0	1648
FORESTRY SCH	NACOGDOCHE	18	3.8	7.5	0	219	0	0	0	0	0	219	26	158	326	24	0	230	984
SUBTOTAL - FRSTY SCH		67	18.4	34.2	0	818	0	0	0	0	0	818	26	158	1741	24	0	230	2997
ALA TUSKEGEE	TUSKEGEE	7	10.6	24.9	0	0	0	0	1288	0	0	1288	0	0	0	0	0	0	1288
ALABAMA A&M	NORMAL	21	12.3	15.7	0	0	0	0	1381	0	0	1381	0	116	188	0	0	0	1686
ARKANSAS A&M	PINE BLUFF	13	9.2	34.0	0	0	0	0	1201	0	0	1201	0	0	7	0	1	0	1209
FLORIDA A&M	TALLAHASSE	10	9.0	17.6	0	0	0	0	966	0	0	966	0	0	0	0	0	0	966
FT. VALLEY CCL	FORT VAILE	19	9.5	32.2	0	0	0	0	1467	0	0	1467	0	0	0	0	0	0	1467
KY STATE COLL	FRANKFORT	12	13.2	27.7	0	0	0	0	1721	0	0	1721	0	0	0	0	0	0	1721
SOUTHERN UNIV	BATON RCUG	9	6.8	31.1	0	0	0	0	1101	0	0	1101	0	0	0	0	0	0	1101
ALCORN A&M	LORMAN	11	7.1	36.7	0	0	0	0	1421	0	0	1421	0	0	0	0	0	0	1421
AG TECH NC.	GREENSBCRO	20	10.3	53.6	0	0	0	0	2083	0	0	2083	0	0	0	155	0	0	2238
LANGSTON UNIV	LANGSTON	6	6.9	12.9	0	0	0	0	995	0	0	995	0	0	0	0	0	0	995
SC STATE COLL	ORANGEBURG	13	8.2	23.7	0	0	0	0	1165	0	0	1165	0	0	0	0	0	0	1165
TEN A&M IND	NASHVILLE	12	9.6	34.1	0	0	0	0	1607	0	0	1607	0	0	0	0	0	0	1607
PRAIRIE VW A&M	PRAIRIE VI	8	13.6	22.8	0	0	61	0	2144	0	0	2205	0	0	0	0	0	0	2205
VA STATE COLL	PETERSBURG	8	14.8	43.9	0	0	0	0	1432	0	0	1432	0	0	0	0	0	0	1432
SUBTOTAL - 1890/TUSK		169	141.1	410.9	0	0	61	0	19971	0	0	20033	0	116	195	155	1	0	20500
SCH VET MED	TUSKEGEE	2	0.0	0.0	0	0	0	0	0	5	0	5	0	0	0	0	0	0	5
SCH VET MED	AUBURN	22	15.1	20.8	0	0	0	0	0	46	0	46	0	45	1887	0	79	42	2099
SCH VET MED	FLORIDA	32	16.1	27.5	0	0	0	170	0	85	0	255	0	228	2320	0	0	244	3046
SCH VET MED	GEORGIA	31	34.7	56.9	0	0	181	42	0	119	0	342	14	390	4714	0	90	205	5755
SCH VET MED	LOUISIANA	37	14.4	50.8	0	0	112	0	0	27	0	139	146	160	2514	61	141	114	3274
SCH VET MED	TEXAS	7	25.0	50.3	0	0	0	0	0	0	0	0	85	799	2113	258	537	331	4122
SUBTOTAL - VET MED		131	105.3	206.3	0	0	293	212	0	282	0	787	245	1621	13548	320	847	935	18303
OTH COOP INS	ALABAMA	1	0.2	3.8	0	0	0	100	0	0	0	100	0	0	0	0	0	0	100
OTH COOP INS	FLORIDA	8	1.6	4.1	0	0	0	314	0	0	0	314	0	8	10	0	0	0	332
OTH COOP INS	GEORGIA	7	2.9	3.6	0	0	0	328	0	0	0	328	0	0	9	0	0	0	336
OTH COOP INS	KENTUCKY	6	0.7	4.7	0	0	0	253	0	0	0	253	0	0	4	0	0	0	258
OTH COOP INS	LOUISIANA	4	0.3	9.7	0	0	0	235	0	0	0	235	0	0	0	0	0	0	235
OTH COOP INS	MISSISSIPP	2	3.5	4.6	0	0	479	4	0	0	0	482	36	0	0	0	0	0	518
OTH COOP INS	N CAROLINA	4	1.2	2.8	0	0	0	237	0	0	0	237	0	0	0	0	0	0	237
OTH COOP INS	OKLAHOMA	3	0.2	1.5	0	0	0	118	0	0	0	118	0	0	0	0	0	0	119
OTH COOP INS	PUERTO RIC	1	0.0	0.0	0	0	0	38	0	0	0	38	0	0	0	0	0	0	38
OTH COOP INS	S CAROLINA	2	0.1	4.4	0	0	0	119	0	0	0	119	0	0	0	0	0	0	119
OTH COOP INS	TENNESSEE	8	0.8	3.9	0	0	21	254	0	0	44	320	0	0	0	0	0	0	320
OTH COOP INS	TEXAS	8	2.8	5.2	0	0	0	371	0	0	0	371	0	22	31	0	0	0	424
OTH COOP INS	VIRGINIA	2	0.5	0.5	0	0	0	0	0	0	110	110	0	11	0	0	0	0	121
SUBTOTAL - OCI		56	14.8	48.8	0	0	500	2370	0	0	154	3025	36	41	54	0	0	0	3156
TOTAL		4996	2743.8	9529.8	51254	6332	9552	6751	19971	1539	154	95554	13412	29604	346377	26058	33197	28002	572204

TABLE IV-E SUMMARY BY STATION OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

	STATION	NO OF PROJ	STAFF SUPPORT YRS	STAFF OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
ILLINOIS	URBANA	346	169.3	516.5	4582	138	305	1015	0	163	0	6203	669	2211	12765	3137	3375	2094	30454
INDIANA	LAFAYETTE	340	142.5	560.3	4120	323	290	687	0	100	0	5520	458	6594	17846	4500	3638	3678	42236
IOWA	AMES	355	122.9	568.4	4872	155	2677	1601	0	48	0	9354	3548	2215	15062	2001	8752	2360	43291
KANSAS	MANHATTAN	374	198.9	542.4	2841	163	1002	591	0	169	0	4765	350	3481	18238	4883	2470	1683	35870
MICHIGAN	LANSING	432	153.5	408.0	4191	172	2550	1135	0	98	0	8145	1784	5430	19214	2447	5081	2015	44117
MINNESOTA	ST PAUL	388	189.0	823.1	4198	426	349	592	0	88	0	5651	1506	2532	32687	0	1621	3956	47955
MISSOURI	COLUMBIA	259	127.5	565.6	3908	341	691	787	0	171	0	5898	377	2138	12819	3482	1084	2825	28622
NORTH DAKOTA	FARGO	219	125.2	305.7	2005	68	1009	146	0	56	328	3611	685	998	11341	2560	632	1607	21435
NEBRASKA	LINCOLN	299	143.6	762.1	2782	134	406	306	0	179	0	3806	2361	1867	15504	10145	1515	1062	36260
OHIO	WOOSTER	419	148.3	573.1	4885	325	434	568	0	82	0	6294	228	939	23804	792	1748	972	34779
SOUTH DAKOTA	BROOKINGS	136	67.8	209.9	2049	112	0	82	0	90	0	2333	134	74	4662	0	212	2481	9896
WISCONSIN	MADISON	551	173.2	675.7	4214	449	654	1957	0	193	0	7467	369	15346	21983	0	7456	446	53067
SUBTOTAL - SAES		4118		6510.8		2805		9467		1436		69049		43825		33948		25179	
			1761.7		44646		10367		0		328		12468		205926		37585		427980
FORESTRY SCH	CARBONDALE	12	4.5	14.3	0	125	0	0	0	0	0	125	0	0	310	0	0	175	610
FORESTRY SCH	ANN ARBOR	25	4.2	19.7	0	179	0	0	0	0	0	179	397	4	658	0	15	41	1294
FORESTRY SCH	HOUGHTON	29	12.5	38.2	0	182	88	0	0	0	0	269	0	147	680	0	239	939	2275
SUBTOTAL - FRSTY SCH		66		72.2		485		0		0		573		151		0		1156	
			21.2		0		88		0		0		397		1648		254		4179
LINCOLN UNIV	JEFFERSON	15	15.2	27.9	0	0	0	0	1617	0	0	1617	20	0	0	133	0	100	1870
SUBTOTAL - 1890/TUSK		15		27.9		0		0		0		1617		0		133		100	
			15.2		0		0		1617		0		20		0		0		1870
SCH VET MED	ILLINOIS	84	39.9	83.1	0	0	211	83	0	0	0	295	51	2583	3257	929	412	931	8458
SCH VET MED	IOWA	162	27.2	83.3	0	0	79	0	0	227	0	306	312	189	5315	0	962	654	7738
SCH VET MED	MINNESOTA	36	24.5	58.9	0	0	236	79	0	84	0	398	0	919	2203	882	474	0	4876
SCH VET MED	MISSOURI	49	21.3	50.2	0	0	0	0	0	0	0	0	6	1350	1091	410	50	830	3738
SCH VET MED	OHIO	66	14.7	53.6	0	0	19	0	0	29	0	49	110	1131	17	0	140	730	2177
SUBTOTAL - VET MED		397		329.1		0		162		341		1048		6173		2222		3145	
			127.6		0		545		0		0		480		11883		2037		26987
OTH COOP INS	ILLINOIS	18	5.4	11.2	0	0	19	762	0	0	42	823	0	291	2	0	0	15	1131
OTH COOP INS	INDIANA	4	0.8	2.9	0	0	0	253	0	0	0	253	0	0	70	0	0	0	323
OTH COOP INS	IOWA	9	0.4	10.7	0	0	0	163	0	0	115	278	0	0	17	0	0	20	315
OTH COOP INS	KANSAS	5	0.5	2.9	0	0	0	115	0	0	0	115	0	1	0	0	0	0	116
OTH COOP INS	MICHIGAN	12	4.7	9.5	0	0	0	639	0	0	0	639	0	60	0	0	0	27	726
OTH COOP INS	MINNESOTA	10	0.1	2.0	0	0	0	351	0	0	0	351	0	39	4	0	27	0	421
OTH COOP INS	MISSOURI	2	0.6	3.3	0	0	0	111	0	0	0	111	0	101	0	0	0	0	211
OTH COOP INS	N DAKOTA	3	0.5	0.4	0	0	17	0	0	0	84	101	0	0	0	0	0	0	101
OTH COOP INS	NEBRASKA	4	1.0	3.0	0	0	0	137	0	0	94	230	0	0	0	0	0	0	230
OTH COOP INS	OHIO	7	3.8	6.2	0	0	45	262	0	0	63	370	0	0	0	0	14	8	392
OTH COOP INS	S DAKOTA	1	0.0	2.6	0	0	0	0	0	0	128	128	0	0	0	0	0	0	128
OTH COOP INS	WISCONSIN	17	4.7	15.5	0	0	0	611	0	0	0	611	0	298	4	0	0	0	912
SUBTOTAL - OCI		92		70.2		0		3404		0		4010		790		0		69	
			22.5		0		81		0		525		0		96		40		5005
TOTAL		4689		7010.2		3290		13032		1777		76296		50938		36303		29649	
			1948.2		44646		11081		1617		852		13365		219553		39917		466021

TABLE IV-E SUMMARY BY STATION OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF SUP SYS	STAFF PORT YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
ALASKA	FAIRBANKS	24	11.2	25.4	836	352	5	0	0	12	0	1204	0	0	2584	0	21	0	3809
ARIZONA	TUCSON	264	178.6	395.1	1636	117	421	591	0	59	0	2824	1599	4323	18289	2827	1433	1794	33088
CALIFORNIA	BERKELEY	1106	543.8	1825.1	4303	421	2146	3490	0	227	0	10586	1949	15753	99562	1113	11814	1083	141860
COLORADO	FT COLLINS	153	160.0	239.2	2262	286	260	146	0	0	0	2955	2186	5223	7096	984	438	4580	23461
GUAM	AGANA	29	14.5	34.1	720	0	241	0	0	0	0	961	0	0	780	0	0	0	1741
HAWAII	HONOLULU	253	99.2	183.9	1081	130	2081	24	0	7	0	3324	430	2220	8709	381	0	986	16050
IDAHO	MOSCOW	120	82.6	164.7	1505	0	0	62	0	67	0	1635	1113	338	7446	775	984	346	12636
MONTANA	BOZEMAN	137	74.0	234.2	1752	0	325	0	0	79	0	2156	397	1274	6355	1373	497	842	12894
NEVADA	RENO	146	33.7	70.8	1020	63	2	503	0	23	0	1610	10	909	3653	607	43	570	7402
NEW MEXICO	UNIV PARK	136	63.0	145.3	1362	227	189	140	0	39	0	1956	887	242	6512	121	379	520	10617
N MARIANAS	SAIPAN	7	0.0	8.6	465	0	0	0	0	0	0	465	0	0	177	0	0	0	643
OREGON	CORVALLIS	302	169.0	396.8	2368	0	414	371	0	55	0	3208	1689	4653	15646	2276	1730	1719	30921
AMERICAN SAMOA	PAGO PAGO	5	0.0	18.2	290	0	0	0	0	0	0	290	0	16	0	0	0	0	306
UTAH	LOGAN	230	75.0	127.0	1486	142	169	213	0	45	0	2056	752	2858	5973	351	1522	437	13949
WASHINGTON	PULLMAN	272	114.4	412.4	3009	266	399	22	0	133	0	3829	1705	2660	14472	1052	1091	3757	28566
WYOMING	LARAMIE	72	45.4	61.7	1304	179	179	38	0	43	0	1744	99	755	3496	0	52	1760	7906
SUBTOTAL - SAES		3256	1664.4	4342.5	25398	2182	6831	5601	0	790	0	40803	12816	41223	200751	11859	20004	18394	345850
FORESTRY SCH	FLAGSTAFF	26	3.9	12.3	0	132	0	0	0	0	0	132	63	57	241	0	109	26	629
FORESTRY SCH	S L OBISPO	1	0.2	0.5	0	25	0	0	0	0	0	25	0	0	44	0	0	12	81
FORESTRY SCH	ARCATA	11	0.0	0.0	0	87	0	0	0	0	0	87	0	0	100	0	18	81	285
FORESTRY SCH	MOSCOW	64	20.9	38.9	0	411	13	0	0	0	0	424	54	197	2042	424	214	230	3585
FORESTRY SCH	MISSOULA	52	14.1	45.0	0	389	0	0	0	0	0	389	134	234	750	77	0	297	1882
FORESTRY SCH	CORVALLIS	84	54.2	142.9	0	602	821	268	0	0	0	1692	1629	1767	3792	0	516	34	9430
FORESTRY SCH	SEATTLE	86	23.8	48.9	0	325	115	107	0	0	0	548	567	1419	2195	0	415	265	5409
SUBTOTAL - FRSTY SCH		324	117.1	288.5	0	1971	950	375	0	0	0	3297	2449	3674	9165	501	1271	944	21301
SCH VET MED	CALIFORNIA	39	71.1	319.0	0	0	0	0	0	159	0	159	340	7393	8732	2167	1647	541	20980
SCH VET MED	COLORADO	6	68.3	154.4	0	0	54	23	0	242	0	318	158	8076	965	2075	1012	866	13470
SCH VET MED	OREGON	22	3.9	11.5	0	0	72	0	0	37	0	109	53	225	0	0	225	245	857
SUBTOTAL - VET MED		67	143.3	484.9	0	0	126	23	0	437	0	586	551	15694	9698	4241	2884	1652	35307
OTH COOP INS	ARIZONA	6	0.9	1.8	0	0	0	151	0	0	0	151	0	27	54	0	0	0	231
OTH COOP INS	CALIFORNIA	25	7.3	15.3	0	0	193	1055	0	0	317	1565	112	261	38	0	0	0	1975
OTH COOP INS	COLORADO	2	1.0	0.8	0	0	0	0	0	0	150	150	50	23	0	0	6	0	228
OTH COOP INS	IDAHO	2	0.0	0.9	0	0	0	127	0	0	0	127	22	0	0	0	0	0	149
OTH COOP INS	MONTANA	1	0.2	1.5	0	0	0	41	0	0	0	41	0	15	0	0	0	6	62
OTH COOP INS	NEW MEXICO	1	0.1	2.0	0	0	0	48	0	0	0	48	0	0	0	0	0	0	48
OTH COOP INS	OREGON	3	1.5	0.0	0	0	0	59	0	0	0	59	0	0	5	0	0	0	64
OTH COOP INS	UTAH	4	0.0	0.7	0	0	17	367	0	0	0	384	0	262	0	0	0	0	646
OTH COOP INS	WASHINGTON	13	2.2	4.7	0	0	0	502	0	0	117	619	0	0	50	0	0	1	671
SUBTOTAL - OCI		57	13.2	27.7	0	0	210	2349	0	0	584	3144	184	587	146	0	6	7	4074
TOTAL		3704	1938.0	5143.6	25398	4154	8118	8348	0	1227	584	47829	16000	61178	219760	16601	24166	20998	406531
GRAND TOTAL		16319	7831.2	26616.7	147594	17071	32525	33849	22871	5171	1899	260980	48911	169687	894423	92413	111298	102064	1679776

TABLE IV-F FY 1989 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

	STATION	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	CSRS ADM	USDA CGCA	NSF	DOE	AID	DOD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON-FED	TOTAL
CONNECTICUT	NEW HAVEN	64	45.5	29.7	848	0	0	0	0	0	0	0	0	0	0	27	27	4120	4995
CONNECTICUT	STORRS	55	23.9	69.9	1050	83	0	0	0	105	375	0	1	0	0	35	516	3714	5363
DIST OF COLUM	WASHINGTON	9	4.1	24.0	463	0	0	0	0	0	0	0	0	0	0	0	0	297	760
DELAWARE	NEWARK	135	31.9	73.7	1219	28	0	0	0	0	0	0	0	0	0	178	178	5039	6464
MASSACHUSETTS	AMHERST	118	45.1	146.0	2631	157	119	0	0	0	152	0	0	0	0	72	343	5318	8449
MARYLAND	COLLEGE PA	158	68.3	203.6	2565	1220	486	51	72	0	235	0	39	0	14	517	1414	12512	17711
MAINE	ORONO	120	57.0	117.7	2451	364	87	0	0	0	151	0	0	0	0	399	636	7146	10598
NEW HAMPSHIRE	DURHAM	85	30.4	60.5	1502	0	0	0	0	0	0	0	0	0	0	0	0	2505	4008
NEW JERSEY	NEW BRUNSW	251	98.4	188.5	3336	115	166	13	20	0	16	289	0	0	0	116	621	12891	16963
NEW YORK	ITHACA	838	274.8	2205.6	5655	1587	2233	297	1316	2019	0	0	4142	14	0	707	10726	39780	57748
NEW YORK	GENEVA	135	55.8	348.1	1387	484	156	0	0	0	0	0	91	0	0	2	249	8599	10719
PENNSYLVANIA	COLLEGE PA	297	158.3	478.0	6778	925	265	259	1386	1	88	21	0	0	6	202	2229	20650	30581
RHODE ISLAND	KINGSTON	54	29.4	23.5	1133	0	0	0	0	0	0	0	0	0	0	297	297	1524	2954
VERMONT	BURLINGTON	61	22.6	60.9	1490	182	54	55	0	0	0	51	0	0	0	12	173	2735	4581
WEST VIRGINIA	MORGANTOWN	83	40.1	68.2	2687	299	0	0	0	0	0	0	0	0	4	264	269	3434	6689
SUBTOTAL - SAES		2463	985.6	4097.9	35196	5445	3566	675	2795	2125	1018	361	4272	14	24	2829	17678	130264	188583
FORESTRY SCH	SYRACUSE	135	86.9	220.3	653	170	283	99	3	0	132	0	0	0	0	494	1011	15629	17463
FORESTRY SCH	BURLINGTON	14	4.0	10.3	264	186	0	0	0	0	0	0	0	4	0	11	15	329	795
SUBTOTAL - FRSTY SCH		149	90.9	230.6	918	356	283	99	3	0	132	0	0	4	0	504	1026	15958	18258
DEL STATE COL	DOVER	7	5.7	4.0	472	0	0	0	0	0	0	0	0	0	0	0	0	89	561
MD. STATE COL	PRINCESS A	9	7.7	9.7	811	131	0	0	0	0	0	0	0	0	0	0	0	84	1026
SUBTOTAL - 1890/TUSK		16	13.4	13.7	1283	131	0	0	0	0	0	0	0	0	0	0	0	173	1587
SCH VET MED	NEW YORK	140	73.7	483.5	539	169	832	0	0	718	0	0	3725	0	0	19	5293	10765	16766
SCH VET MED	PENNSYLVAN	96	19.2	75.7	131	17	100	0	0	0	3318	0	0	0	0	178	3595	2442	6186
SUBTOTAL - VET MED		236	92.9	559.2	670	186	931	0	0	718	3318	0	3725	0	0	197	8889	13208	22953
OTH COOP INS	CONNECTICU	3	1.3	0.7	79	0	0	0	0	0	0	0	0	0	0	0	0	0	79
OTH COOP INS	MASSACHUSE	12	3.6	11.7	1027	0	0	0	0	0	0	0	0	0	0	0	0	0	1027
OTH COOP INS	MARYLAND	19	7.0	5.2	749	0	0	0	0	14	64	0	0	0	0	0	78	8	834
OTH COOP INS	N HAMPSHIR	2	0.9	1.0	136	16	0	0	0	0	0	0	0	0	0	0	0	0	152
OTH COOP INS	NEW JERSEY	2	0.6	1.8	131	0	0	0	0	0	0	0	0	0	0	0	0	0	131
OTH COOP INS	NEW YORK	17	4.5	5.1	653	0	85	0	0	0	0	0	0	0	0	46	131	4	789
OTH COOP INS	PENNSYLVAN	9	0.5	6.2	362	0	0	0	0	0	0	0	0	0	0	0	0	4	366
OTH COOP INS	RHODE ISLA	1	0.0	0.0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	49
OTH COOP INS	VERMONT	1	0.0	0.0	48	0	0	0	0	0	165	0	0	0	0	0	165	0	212
SUBTOTAL - OCI		66	18.4	31.7	3234	16	85	0	0	14	229	0	0	0	0	46	374	16	3640
TOTAL		2930	1201.2	4933.1	41301	6134	4866	774	2799	2857	4696	361	7996	18	24	3577	27967	159619	235020

TABLE IV-F FY 1989 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

STATION		NO OF PROJ	STAFF SUPPORT YRS	STAFF OTHER	CSRS ADM	USDA CGCA	NSF	DOE	AID	DOD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON-FED	TOTAL
ALABAMA	AUBURN	230	122.7	588.6	4241	697	0	0	362	0	0	0	0	13	135	296	806	23617	29361
ARKANSAS	FAYETTEVIL	233	113.0	494.9	4380	425	0	0	0	16	99	0	0	0	24	433	572	19484	24862
FLORIDA	GAINESVILL	682	398.4	1203.7	5239	2386	602	263	105	152	1436	0	6	0	14	2001	4580	69912	82117
GEORGIA	ATHENS	377	185.7	652.5	5527	812	95	34	368	0	12	0	11	38	54	787	1399	38669	46408
KENTUCKY	LEXINGTON	176	122.1	407.9	4650	0	0	0	0	0	0	0	0	0	0	0	0	14906	19556
LOUISIANA	BATON ROUG	460	214.7	251.5	3510	322	3	2	4	0	0	6	0	1	8	442	465	26365	30662
MISSISSIPPI	STATE COLL	393	202.4	697.7	6624	550	0	57	321	108	0	57	0	0	29	183	755	29667	37596
NORTH CAROLINA	RALEIGH	576	242.1	871.9	7368	2616	660	127	3393	143	0	1974	0	60	21	891	7271	43851	61105
OKLAHOMA	STILLWATER	215	121.5	339.2	3946	212	188	55	0	0	570	0	0	0	5	245	1063	16560	21782
PUERTO RICO	RIO PIEDRA	64	57.6	421.8	4128	0	0	0	0	0	0	0	0	0	0	0	0	6818	10946
SOUTH CAROLINA	CLEMSON	224	94.4	380.0	3521	624	11	0	0	0	0	0	28	0	5	8	51	18131	22328
TENNESSEE	KNOXVILLE	198	117.9	376.2	4755	68	0	44	0	0	0	0	0	0	29	256	329	19080	24232
TEXAS	COLLEGE ST	500	291.7	1535.7	8002	2503	704	0	1686	301	2082	0	89	10	13	314	5199	57994	73698
VIRGINIA	BLACKSBURG	318	174.6	580.5	4135	1889	321	392	0	9	0	1113	0	56	0	3378	5178	30214	41417
VIRGIN ISLANDS	ST. THOMAS	17	5.4	27.5	863	0	0	0	0	0	0	0	0	0	0	0	0	315	1178
SUBTOTAL - SAES		4573	2464.2	8829.6	70891	13105	2583	886	6239	730	4199	3150	134	178	336	9234	27669	415583	527247
FORESTRY SCH	RUSTON	13	2.8	0.0	149	0	0	0	0	0	0	0	0	0	0	0	0	216	365
FORESTRY SCH	CLEMSON	36	11.8	26.7	450	0	0	0	0	0	0	0	0	0	0	0	0	1198	1648
FORESTRY SCH	NACOGDOCHE	18	3.8	7.5	219	26	0	0	0	0	0	0	0	0	0	158	158	581	984
SUBTOTAL - FRSTY SCH		67	18.4	34.2	818	26	0	0	0	0	0	0	0	0	0	158	158	1995	2997
ALA TUSKEGEE	TUSKEGEE	7	10.6	24.9	1288	0	0	0	0	0	0	0	0	0	0	0	0	0	1288
ALABAMA A&M	NORMAL	21	12.3	15.7	1381	0	0	0	116	0	0	0	0	0	0	0	116	188	1686
ARKANSAS A&M	PINE BLUFF	13	9.2	34.0	1201	0	0	0	0	0	0	0	0	0	0	0	0	8	1209
FLORIDA A&M	TALLAHASSE	10	9.0	17.6	966	0	0	0	0	0	0	0	0	0	0	0	0	0	966
FT. VALLEY COL	FORT VALLE	19	9.5	32.2	1467	0	0	0	0	0	0	0	0	0	0	0	0	0	1467
KY STATE COLL	FRANKFORT	12	13.2	27.7	1721	0	0	0	0	0	0	0	0	0	0	0	0	0	1721
SOUTHERN UNIV	BATON ROUG	9	6.8	31.1	1101	0	0	0	0	0	0	0	0	0	0	0	0	0	1101
ALCORN A&M	LORMAN	11	7.1	36.7	1421	0	0	0	0	0	0	0	0	0	0	0	0	0	1421
AG TECH NC.	GREENSBORO	20	10.3	53.6	2083	0	0	0	0	0	0	0	0	0	0	0	0	155	2238
LANGSTON UNIV	LANGSTON	6	6.9	12.9	995	0	0	0	0	0	0	0	0	0	0	0	0	0	995
SC STATE COLL	ORANGEBURG	13	8.2	23.7	1165	0	0	0	0	0	0	0	0	0	0	0	0	0	1165
TEN A&M IND	NASHVILLE	12	9.6	34.1	1607	0	0	0	0	0	0	0	0	0	0	0	0	0	1607
PRAIRIE VW A&M	PRAIRIE VI	8	13.6	22.8	2205	0	0	0	0	0	0	0	0	0	0	0	0	0	2205
VA STATE COLL	PETERSBURG	8	14.8	43.9	1432	0	0	0	0	0	0	0	0	0	0	0	0	0	1432
SUBTOTAL - 1890/TUSK		169	141.1	410.9	20033	0	0	0	116	0	0	0	0	0	0	0	116	351	20500
SCH VET MED	TUSKEGEE	2	0.0	0.0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
SCH VET MED	AUBURN	22	15.1	20.8	46	0	4	0	0	0	32	0	0	0	0	9	45	2008	2099
SCH VET MED	FLORIDA	32	16.1	27.5	255	0	6	0	0	3	218	0	0	0	0	0	228	2564	3046
SCH VET MED	GEORGIA	31	34.7	56.9	342	14	0	0	0	0	372	0	0	0	0	18	390	5009	5755
SCH VET MED	LOUISIANA	37	14.4	50.8	139	146	0	0	0	0	41	109	10	0	0	0	160	2830	3274
SCH VET MED	TEXAS	7	25.0	50.3	0	85	0	0	0	0	565	6	0	0	0	228	799	3239	4122
SUBTOTAL - VET MED		131	105.3	206.3	787	245	10	0	0	3	1228	115	10	0	0	255	1621	15650	18303
OTH COOP INS	ALABAMA	1	0.2	3.8	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
OTH COOP INS	FLORIDA	8	1.6	4.1	314	0	0	0	0	0	0	8	0	0	0	0	8	10	332
OTH COOP INS	GEORGIA	7	2.9	3.6	328	0	0	0	0	0	0	0	0	0	0	0	0	9	336
OTH COOP INS	KENTUCKY	6	0.7	4.7	253	0	0	0	0	0	0	0	0	0	0	0	0	4	258
OTH COOP INS	LOUISIANA	4	0.3	9.7	235	0	0	0	0	0	0	0	0	0	0	0	0	0	235
OTH COOP INS	MISSISSIPP	2	3.5	4.6	482	36	0	0	0	0	0	0	0	0	0	0	0	0	518
OTH COOP INS	N CAROLINA	4	1.2	2.8	237	0	0	0	0	0	0	0	0	0	0	0	0	0	237
OTH COOP INS	OKLAHOMA	3	0.2	1.5	118	0	0	0	0	0	0	0	0	0	0	0	0	0	119
OTH COOP INS	PUERTO RIC	1	0.0	0.0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	38
OTH COOP INS	S CAROLINA	2	0.1	4.4	119	0	0	0	0	0	0	0	0	0	0	0	0	0	119
OTH COOP INS	TENNESSEE	8	0.8	3.9	320	0	0	0	0	0	0	0	0	0	0	0	0	0	320
OTH COOP INS	TEXAS	8	2.8	5.2	371	0	0	0	0	0	22	0	0	0	0	0	22	31	424
OTH COOP INS	VIRGINIA	2	0.5	0.5	110	0	0	0	11	0	0	0	0	0	0	0	11	0	121
SUBTOTAL - OCI		56	14.8	48.8	3025	36	0	0	11	0	22	8	0	0	0	0	41	54	3156
TOTAL		4996	2743.8	9529.8	95554	13412	2594	886	6366	733	5449	3273	144	178	336	9646	29604	433634	572204

SAES REGION 3 NORTH CENTRAL REGION -- (INCLUDES SAES - OTHER INSTITUTIONS)

TABLE IV-F FY 1989 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

	STATION	NO OF PROJ	STAFF YRS SUPPORT SYS	STAFF YRS OTHER	CSRS ADM	USDA CGCA	NSF	DOE	AID	DOD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON-FED	TOTAL
ILLINOIS	URBANA	346	169.3	516.5	6203	669	174	53	26	334	975	263	0	0	32	353	2211	21371	30454
INDIANA	LAFAYETTE	340	142.5	560.3	5520	458	577	933	939	98	0	0	3623	184	0	240	6594	29663	42236
IOWA	AMES	355	122.9	568.4	9354	3548	169	15	455	66	0	0	825	0	29	657	2215	28175	43291
KANSAS	MANHATTAN	374	198.9	542.4	4765	350	455	138	1101	167	0	0	1046	217	38	318	3481	27273	35870
MICHIGAN	LANSING	432	153.5	408.0	8145	1784	691	91	2548	38	218	707	0	0	17	1121	5430	28758	44117
MINNESOTA	ST PAUL	388	189.0	823.1	5651	1506	183	10	0	529	860	30	535	73	11	302	2532	38265	47955
MISSOURI	COLUMBIA	259	127.5	565.6	5898	377	683	235	0	0	655	0	4	0	0	561	2138	20210	28622
NORTH DAKOTA	FARGO	219	125.2	305.7	3611	685	29	122	4	24	0	0	139	0	1	680	998	16141	21435
NEBRASKA	LINCOLN	299	143.6	762.1	3806	2361	289	92	622	0	524	0	0	216	24	100	1867	28226	36260
OHIO	WOOSTER	419	148.3	573.1	6294	228	197	75	36	0	272	0	0	0	1	358	939	27317	34779
SOUTH DAKOTA	BROOKINGS	136	67.8	209.9	2333	134	0	0	0	0	0	0	0	0	11	63	74	7354	9896
WISCONSIN	MADISON	551	173.2	675.7	7467	369	991	454	2163	213	10595	0	0	122	10	798	15346	29885	53067
SUBTOTAL - SAES		4118	1761.7	6510.8	69049	12468	4438	2217	7893	1470	14098	1000	6173	812	173	5551	43825	302639	427980
FORESTRY SCH	CARBONDALE	12	4.5	14.3	125	0	0	0	0	0	0	0	0	0	0	0	0	485	610
FORESTRY SCH	ANN ARBOR	25	4.2	19.7	179	397	4	0	0	0	0	0	0	0	0	0	4	714	1294
FORESTRY SCH	HOUGHTON	29	12.5	38.2	269	0	79	0	0	0	0	0	0	0	0	69	147	1859	2275
SUBTOTAL - FRSTY SCH		66	21.2	72.2	573	397	82	0	0	0	0	0	0	0	0	69	151	3058	4179
LINCOLN UNIV	JEFFERSON	16	15.2	27.9	1617	20	0	0	0	0	0	0	0	0	0	0	0	233	1870
SUBTOTAL - 1890/TUSK		16	15.2	27.9	1617	20	0	0	0	0	0	0	0	0	0	0	0	233	1870
SCH VET MED	ILLINOIS	84	39.9	83.1	295	51	0	0	551	624	227	1113	6	0	0	61	2583	5528	8458
SCH VET MED	IOWA	162	27.2	83.3	306	312	8	0	0	0	181	0	0	0	0	0	189	6930	7738
SCH VET MED	MINNESOTA	36	24.5	58.9	398	0	0	0	0	0	919	0	0	0	0	0	919	3559	4876
SCH VET MED	MISSOURI	49	21.3	50.2	0	6	233	0	79	0	1038	0	0	0	0	0	1350	2382	3738
SCH VET MED	OHIO	66	14.7	53.6	49	110	0	0	7	0	0	0	0	0	0	1124	1131	887	2177
SUBTOTAL - VET MED		397	127.6	329.1	1048	480	242	0	637	624	2365	1113	6	0	0	1185	6173	19287	26987
OTH COOP INS	ILLINOIS	18	5.4	11.2	823	0	0	0	0	0	276	15	0	0	0	0	291	17	1131
OTH COOP INS	INDIANA	4	0.8	2.9	253	0	0	0	0	0	0	0	0	0	0	0	0	70	323
OTH COOP INS	IOWA	9	0.4	10.7	278	0	0	0	0	0	0	0	0	0	0	0	0	37	315
OTH COOP INS	KANSAS	5	0.5	2.9	115	0	0	0	0	0	0	0	0	0	0	1	1	0	116
OTH COOP INS	MICHIGAN	12	4.7	9.5	639	0	60	0	0	0	0	0	0	0	0	0	60	27	726
OTH COOP INS	MINNESOTA	10	0.1	2.0	351	0	39	0	0	0	0	0	0	0	0	0	39	31	421
OTH COOP INS	MISSOURI	2	0.6	3.3	111	0	0	101	0	0	0	0	0	0	0	0	101	0	211
OTH COOP INS	N DAKOTA	3	0.5	0.4	101	0	0	0	0	0	0	0	0	0	0	0	0	0	101
OTH COOP INS	NEBRASKA	4	1.0	3.0	230	0	0	0	0	0	0	0	0	0	0	0	0	0	230
OTH COOP INS	OHIO	7	3.8	6.2	370	0	0	0	0	0	0	0	0	0	0	0	0	21	392
OTH COOP INS	S DAKOTA	1	0.0	2.6	128	0	0	0	0	0	0	0	0	0	0	0	0	0	128
OTH COOP INS	WISCONSIN	17	4.7	15.5	611	0	100	0	0	100	0	0	0	50	0	48	298	4	912
SUBTOTAL - OCI		92	22.5	70.2	4010	0	199	101	0	100	276	15	0	50	0	49	790	205	5005
TOTAL		4689	1948.2	7010.2	76296	13365	4961	2317	8530	2194	16739	2127	6179	862	173	6854	50938	325421	466021

TABLE IV-F FY 1989 SUMMARY OF FUNDS AND STAFF SUPPORT WITH BREAKOUT BY OTHER FEDERAL FUND SOURCES -- IN THOUSANDS OF DOLLARS

	STATION	NO OF PROJ	STAFF SUPPORT SYS	STAFF YRS OTHER	CSRS ADM	USDA CGCA	NSF	DOE	AID	DOD	NIH	PHS	HHS	NASA	TVA	OTH -ER	TOTAL OTHER FED	TOTAL NON- FED	TOTAL
ALASKA	FAIRBANKS	24	11.2	25.4	1204	0	0	0	0	0	0	0	0	0	0	0	0	2605	3809
ARIZONA	TUCSON	264	178.6	395.1	2824	1599	125	188	1945	53	0	0	573	165	19	1256	4323	24342	33088
CALIFORNIA	BERKELEY	1106	543.8	1825.1	10586	1949	3317	937	359	136	829	7767	10	412	0	1984	15753	113572	141860
COLORADO	FT COLLINS	153	160.0	239.2	2955	2186	2147	159	790	46	0	0	1203	178	0	701	5223	13097	23461
GUAM	AGANA	29	14.5	34.1	961	0	0	0	0	0	0	0	0	0	0	0	0	780	1741
HAWAII	HONOLULU	253	99.2	183.9	3324	430	119	0	1976	0	60	0	0	0	0	65	2220	10077	16050
IDAHO	MOSCOW	120	82.6	164.7	1635	1113	127	134	44	0	0	0	0	0	27	6	338	9551	12636
MONTANA	BOZEMAN	137	74.0	234.2	2156	397	144	0	243	0	56	214	0	0	18	599	1274	9067	12894
NEVADA	RENO	146	33.7	70.8	1610	10	337	0	0	0	106	130	0	0	0	337	909	4873	7402
NEW MEXICO	UNIV PARK	136	63.0	145.3	1956	887	0	41	0	0	0	0	0	0	0	201	242	7533	10617
N MARIANAS	SAIPAN	7	0.0	8.6	465	0	0	0	0	0	0	0	0	0	0	0	0	177	643
OREGON	CORVALLIS	302	169.0	396.8	3208	1689	457	401	305	0	0	1643	0	184	0	1663	4653	21371	30921
AMERICAN SAMOA	PAGO PAGO	5	0.0	18.2	290	0	0	0	0	0	0	0	0	0	0	16	16	0	306
UTAH	LOGAN	230	75.0	127.0	2056	752	470	0	595	995	497	0	0	198	5	98	2858	8283	13949
WASHINGTON	PULLMAN	272	114.4	412.4	3829	1705	1131	241	13	3	0	163	115	39	34	921	2660	20372	28666
WYOMING	LARAMIE	72	45.4	61.7	1744	99	292	0	0	193	174	0	0	0	0	96	755	5308	7906
SUBTOTAL - SAES		3256	1664.4	4342.5	40803	12816	8666	2102	6270	1427	1721	9917	1900	1176	102	7943	41223	251008	345850
FORESTRY SCH	FLAGSTAFF	26	3.9	12.3	132	63	0	0	0	0	0	0	0	0	0	57	57	376	629
FORESTRY SCH	S L OBISPO	1	0.2	0.5	25	0	0	0	0	0	0	0	0	0	0	0	0	56	81
FORESTRY SCH	ARCATA	11	0.0	0.0	87	0	0	0	0	0	0	0	0	0	0	0	0	198	285
FORESTRY SCH	MOSCOW	64	20.9	38.9	424	54	0	56	0	20	0	0	0	0	0	120	197	2910	3585
FORESTRY SCH	MISSOULA	52	14.1	45.0	389	134	0	0	0	0	0	0	0	96	0	138	234	1125	1882
FORESTRY SCH	CORVALLIS	84	54.2	142.9	1692	1629	872	79	0	0	0	44	0	21	0	750	1767	4342	9430
FORESTRY SCH	SEATTLE	86	23.8	48.9	548	567	398	387	0	1	0	0	0	61	0	573	1419	2875	5409
SUBTOTAL - FRSTY SCH		324	117.1	288.5	3297	2449	1270	522	0	21	0	44	0	178	0	1638	3674	11882	21301
SCH VET MED	CALIFORNIA	39	71.1	319.0	159	340	0	1301	0	0	6080	0	10	0	0	2	7393	13088	20980
SCH VET MED	COLORADO	6	68.3	154.4	318	158	110	171	180	428	5054	489	1535	109	0	0	8076	4918	13470
SCH VET MED	OREGON	22	3.9	11.5	109	53	0	0	0	0	47	0	0	0	0	179	225	470	857
SUBTOTAL - VET MED		67	143.3	484.9	586	551	110	1472	180	428	11180	489	1545	109	0	181	15694	18476	35307
OTH COOP INS	ARIZONA	6	0.9	1.8	151	0	0	0	0	0	27	0	0	0	0	0	27	54	231
OTH COOP INS	CALIFORNIA	25	7.3	15.3	1565	112	261	0	0	0	0	0	0	0	0	0	261	38	1975
OTH COOP INS	COLORADO	2	1.0	0.8	150	50	0	23	0	0	0	0	0	0	0	0	23	6	228
OTH COOP INS	IDAHO	2	0.0	0.9	127	22	0	0	0	0	0	0	0	0	0	0	0	0	149
OTH COOP INS	MONTANA	1	0.2	1.5	41	0	0	0	0	0	0	0	0	0	0	15	15	6	62
OTH COOP INS	NEW MEXICO	1	0.1	2.0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	48
OTH COOP INS	OREGON	3	1.5	0.0	59	0	0	0	0	0	0	0	0	0	0	0	0	5	64
OTH COOP INS	UTAH	4	0.0	0.7	384	0	0	0	0	0	0	245	0	0	0	17	262	0	646
OTH COOP INS	WASHINGTON	13	2.2	4.7	619	0	0	0	0	0	0	0	0	0	0	0	0	52	671
SUBTOTAL - OCI		57	13.2	27.7	3144	184	261	23	0	0	27	245	0	0	0	32	587	159	4074
TOTAL		3704	1938.0	5143.6	47829	16000	10306	4119	6449	1876	12928	10696	3445	1463	102	9794	61178	281525	406531
GRAND TOTAL		16319	7831.2	26616.7	260980	48911	22727	8095	24145	7659	39812	16457	17765	2520	635	29871	169687	1200198	1679776

TABLE IV-G SUMMARY BY ORGANIZATION OF 1989 FUNDS BY SOURCE -- IN THOUSANDS OF DOLLARS

ORGANIZATION	NO OF PROJ	STAFF SUP SYS	STAFF POPT YRS OTHER	HATH /RRF	MCIN STEN	SP GT	COMP GT	EVNS ALLN	ANML HLTH	OTH CSRS	TOTAL CSRS	USDA CGCA	OTH FED	STATE APPRO	PROD SALE	IND -TRY	OTH -ER	TOTAL
SAES	14413	6875.9	23780.8	147594	13146	29122	21923	0	3808	346	215939	43834	130395	827634	82423	10163	88280	1489661
1890/TUSKEGEE	201	169.7	452.5	0	0	61	0	22871	0	0	22933	151	116	368	288	1	100	23957
FORESTRY SCHOOLS	606	247.6	625.5	0	3926	1038	642	0	0	0	5605	3229	5038	25367	528	3295	3702	46735
VETERINARY SCHOOLS	831	469.1	1579.5	0	0	1186	542	0	1363	0	3091	1461	32376	40750	9174	6800	9897	103549
OTHER NON-FEDERAL	271	68.9	178.4	0	0	1118	10742	0	0	1552	13412	236	1791	304	0	46	85	15874
TOTAL SAES- OTHER INSTITUTIONS	16319	7831.2	26616.7	147594	17071	32525	33849	22871	5171	1898	260980	48911	169687	894423	92413	111298	102064	1679776

TABLE V-C NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989

RESEARCH PROGRAM GROUP SUMMARY

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00:	NATURAL RESOURCES	328.8	40.0	2.7	371.5	796.6	13.4	39.5	18.6	3.0	871.3	1242.8
RPG 2.00:	FOREST RESOURCES	33.6	0.0	732.2	765.8	487.4	1.9	195.3	0.0	6.2	690.9	1456.8
RPG 3.00:	CROPS (FIELD & HORTICULTURAL)	1583.4	2.0	0.6	1586.2	2732.5	53.4	3.9	0.0	20.6	2810.5	4396.7
RPG 4.00:	ANIMALS	532.4	0.0	0.0	532.4	1451.9	43.5	0.4	436.5	19.8	1952.2	2484.6
RPG 5.00:	PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	25.2	40.5	1.0	66.7	363.4	27.8	3.5	7.4	0.0	402.2	469.0
RPG 6.00:	COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	10.6	318.7	0.1	329.6	415.4	11.5	0.2	0.2	0.0	427.4	757.0
RPG 7.00:	GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	75.3	0.0	0.0	75.3	319.1	0.8	4.5	3.1	13.7	341.3	416.7
RPG 8.00:	FOOD SCIENCE AND HUMAN NUTRITION	203.6	6.8	0.0	210.5	309.2	17.2	0.0	3.1	5.4	335.0	545.5
RPG 9.00:	UNCLASSIFIED	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
GRAND TOTAL		2797.4	408.2	736.8	3942.4	6875.9	169.7	247.6	469.1	68.9	7831.2	11773.6

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 FOREIGN

RESEARCH PROGRAM GROUP SUMMARY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	2.1	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	6.8	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	6.8
RPG 4.00: ANIMALS	7.2	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	7.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	17.2	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	17.2

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY NORTHEAST REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	69.2	40.0	0.0	109.2	130.1	1.7	21.6	2.9	0.0	156.4	265.7
RPG 2.00: FOREST RESOURCES	13.8	0.0	82.6	96.5	86.0	0.0	60.7	0.0	1.5	148.3	244.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	302.2	2.0	0.0	304.2	312.0	7.0	2.4	0.0	3.2	324.7	629.0
RPG 4.00: ANIMALS	203.6	0.0	0.0	203.6	179.9	1.1	0.4	78.7	6.7	266.9	470.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	4.8	40.5	0.0	45.3	76.2	2.8	1.4	7.2	0.0	87.7	133.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.8	318.7	0.1	320.6	58.1	0.0	0.2	0.0	0.0	58.3	379.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	36.2	0.0	0.0	36.2	66.9	0.0	3.9	1.4	4.9	77.3	113.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	92.2	6.8	0.0	99.0	75.9	0.7	0.0	2.5	2.0	81.2	180.2
GRAND TOTAL	724.2	408.2	82.8	1215.2	985.6	13.4	90.9	92.9	18.4	1201.2	2416.4

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY SOUTHERN REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	112.8	0.0	2.7	115.5	235.2	11.5	0.7	9.0	0.0	256.5	372.1
RPG 2.00: FOREST RESOURCES	9.1	0.0	168.7	177.9	206.8	1.9	17.2	0.0	0.0	226.0	404.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	566.4	0.0	0.4	566.8	1121.0	42.0	0.0	0.0	3.4	1166.5	1733.3
RPG 4.00: ANIMALS	109.1	0.0	0.0	109.1	538.7	39.2	0.0	94.7	4.2	676.8	786.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	20.2	0.0	0.0	20.2	82.0	24.2	0.4	0.1	0.0	106.7	126.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.8	0.0	0.0	1.8	142.2	10.2	0.0	0.0	0.0	152.5	154.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	10.2	0.0	0.0	10.2	78.5	0.8	0.0	1.4	6.6	87.4	97.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	41.9	0.0	0.0	41.9	59.4	11.0	0.0	0.0	0.5	70.9	112.9
RPG 9.00: UNCLASSIFIED	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
GRAND TOTAL	875.9	0.0	171.9	1047.8	2464.2	141.1	18.4	105.3	14.8	2743.8	3791.6

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY NORTH CENTRAL REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	54.3	0.0	0.0	54.3	197.5	0.1	0.7	2.5	2.0	202.9	257.2
RPG 2.00: FOREST RESOURCES	6.1	0.0	176.3	182.5	105.3	0.0	20.4	0.0	2.9	128.6	311.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	343.5	0.0	0.2	343.7	639.6	4.3	0.0	0.0	5.6	649.6	993.3
RPG 4.00: ANIMALS	151.2	0.0	0.0	151.2	412.6	3.2	0.0	124.5	7.2	547.6	698.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.1	0.0	1.0	1.1	91.2	0.8	0.0	0.1	0.0	92.1	93.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	3.8	0.0	0.0	3.8	137.8	1.2	0.0	0.2	0.0	139.2	143.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	17.2	0.0	0.0	17.2	89.3	0.0	0.0	0.2	1.9	91.4	108.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	41.7	0.0	0.0	41.7	88.0	5.4	0.0	0.0	2.9	96.4	138.1
GRAND TOTAL	618.1	0.0	177.6	795.7	1761.7	15.2	21.2	127.6	22.5	1948.2	2743.9

TABLE V-C REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY WESTERN REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	92.4	0.0	0.0	92.4	233.7	0.0	16.4	4.2	1.0	255.3	347.8
RPG 2.00: FOREST RESOURCES	2.3	0.0	304.4	306.7	89.2	0.0	96.9	0.0	1.8	187.9	494.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	364.4	0.0	0.0	364.5	659.7	0.0	1.4	0.0	8.4	669.5	1034.0
RPG 4.00: ANIMALS	61.1	0.0	0.0	61.1	320.5	0.0	0.0	138.5	1.7	460.7	521.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	113.9	0.0	1.7	0.0	0.0	115.6	115.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.1	0.0	0.0	2.1	77.3	0.0	0.0	0.0	0.0	77.3	79.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	11.6	0.0	0.0	11.6	84.2	0.0	0.5	0.0	0.3	85.0	96.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	27.8	0.0	0.0	27.8	85.7	0.0	0.0	0.6	0.0	86.3	114.1
GRAND TOTAL	562.0	0.0	304.5	866.5	1664.4	0.0	117.1	143.3	13.2	1938.0	2804.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM GROUP SUMMARY

FRANCE

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.6	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
GRAND TOTAL	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM GROUP SUMMARY

GUATEMALA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
RPG 4.00: ANIMALS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM GROUP SUMMARY

ITALY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
GRAND TOTAL	4.4	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM GROUP SUMMARY

MEXICO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 4.00: ANIMALS	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
GRAND TOTAL	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM GROUP SUMMARY

NETHERLANDS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM GROUP SUMMARY

SOUTH KOREA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 2.00: FOREST RESOURCES	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY CONNECTICUT

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	CONN N HAV	CONN STORES	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	9.0	2.9	0.0	0.0	0.0	11.9	11.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.9	9.9	5.2	0.7	0.0	0.0	1.2	7.2	17.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	23.2	4.9	0.0	0.0	0.0	28.2	28.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	0.7	8.6	0.0	0.0	0.0	9.4	9.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.0	1.3	0.0	0.0	0.0	5.3	5.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.4	2.2	0.0	0.0	0.0	2.6	2.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.1	2.1	2.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	2.1	0.0	0.0	0.0	3.9	3.9
GRAND TOTAL	0.0	0.0	9.9	9.9	45.5	23.9	0.0	0.0	1.3	70.7	80.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY DELAWARE

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.0	1.7	0.0	0.0	0.0	6.7	6.7
RPG 2.00: FOREST RESOURCES	1.5	0.0	0.0	1.5	1.4	0.0	0.0	0.0	0.0	1.4	2.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.0	0.0	0.0	2.0	11.0	3.0	0.0	0.0	0.0	14.0	16.0
RPG 4.00: ANIMALS	7.0	0.0	0.0	7.0	10.4	0.0	0.0	0.0	0.0	10.4	17.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.0	0.0	2.1	2.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	10.6	0.0	0.0	10.6	31.9	5.7	0.0	0.0	0.0	37.6	48.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY DISTRICT OF COLUMBIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	40.0	0.0	40.0	0.6	0.0	0.0	0.0	0.0	0.6	40.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	6.1	2.0	0.0	8.1	1.1	0.0	0.0	0.0	0.0	1.1	9.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	40.5	0.0	40.5	1.0	0.0	0.0	0.0	0.0	1.0	41.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	318.7	0.0	318.7	0.0	0.0	0.0	0.0	0.0	0.0	318.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.1	6.8	0.0	6.9	1.0	0.0	0.0	0.0	0.0	1.0	7.9
GRAND TOTAL	6.2	408.2	0.0	414.4	4.1	0.0	0.0	0.0	0.0	4.1	418.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY MAINE

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	8.3	8.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	6.5	6.5	16.8	0.0	0.0	0.0	0.0	16.8	23.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.9	0.0	0.0	3.9	14.7	0.0	0.0	0.0	0.0	14.7	18.6
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
GRAND TOTAL	3.9	0.0	6.5	10.4	57.0	0.0	0.0	0.0	0.0	57.0	67.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY MARYLAND

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	41.9	0.0	0.0	41.9	10.5	0.0	0.0	0.0	0.0	10.5	52.4
RPG 2.00: FOREST RESOURCES	11.7	0.0	0.0	11.7	3.5	0.0	0.0	0.0	0.0	3.5	15.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	200.4	0.0	0.0	200.4	25.1	4.0	0.0	0.0	2.0	31.1	231.5
RPG 4.00: ANIMALS	124.9	0.0	0.0	124.9	20.9	1.1	0.0	0.0	2.0	24.0	148.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	4.8	0.0	0.0	4.8	1.3	1.8	0.0	0.0	0.0	3.1	8.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.7	0.0	0.0	1.7	3.4	0.0	0.0	0.0	0.0	3.4	5.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	34.6	0.0	0.0	34.6	1.9	0.0	0.0	0.0	3.0	4.9	39.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	59.7	0.0	0.0	59.7	1.3	0.7	0.0	0.0	0.0	2.1	61.8
GRAND TOTAL	480.1	0.0	0.0	480.1	68.3	7.7	0.0	0.0	7.0	83.0	563.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY MASSACHUSETTS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RPG 2.00: FOREST RESOURCES	0.0	0.0	3.2	3.2	5.0	0.0	0.0	0.0	0.0	5.0	8.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	11.4	11.4
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	1.7	12.5	12.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.2	2.8	2.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	3.2	0.0	0.0	3.2	7.6	0.0	0.0	0.0	1.7	9.3	12.5
GRAND TOTAL	3.2	0.0	3.2	6.4	45.1	0.0	0.0	0.0	3.6	48.7	55.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY NEW HAMPSHIRE

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	13.0	13.0	7.9	0.0	0.0	0.0	0.1	8.0	21.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.7	6.4	6.4
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	8.9	8.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.7	1.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL	0.0	0.0	13.0	13.0	30.4	0.0	0.0	0.0	0.9	31.3	44.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY NEW JERSEY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	15.9	15.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	29.9	0.0	0.0	0.0	0.0	29.9	29.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.6	11.9	11.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	18.7	0.0	0.0	0.0	0.0	18.7	18.7
GRAND TOTAL	0.0	0.0	0.0	0.0	98.4	0.0	0.0	0.0	0.6	99.0	99.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY NEW YORK

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	NY ITHACA	NY GENEVA	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.3	0.0	0.0	2.3	39.7	0.0	21.6	2.5	0.0	63.9	66.2
RPG 2.00: FOREST RESOURCES	0.5	0.0	1.1	1.6	3.0	0.3	57.6	0.0	0.2	61.3	63.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.8	0.0	0.0	14.8	62.8	47.9	2.4	0.0	0.5	113.8	128.6
RPG 4.00: ANIMALS	24.5	0.0	0.0	24.5	51.8	1.3	0.4	59.9	2.1	115.7	140.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	34.4	0.3	0.5	7.2	0.0	42.4	42.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	14.9	0.0	0.2	0.0	0.0	15.1	15.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.5	0.0	0.0	1.5	43.2	0.8	3.9	1.4	1.6	51.0	52.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	3.2	0.0	0.0	3.2	24.6	5.0	0.0	2.5	0.0	32.1	35.3
GRAND TOTAL	47.1	0.0	1.1	48.2	274.8	55.8	86.9	73.7	4.5	495.7	543.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY PENNSYLVANIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	11.5	0.0	0.0	11.5	17.5	0.0	0.0	0.4	0.0	17.9	29.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	13.7	13.7	21.2	0.0	0.0	0.0	0.0	21.2	34.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	33.7	0.0	0.0	33.7	50.2	0.0	0.0	0.0	0.0	50.2	84.0
RPG 4.00: ANIMALS	46.9	0.0	0.0	46.9	30.4	0.0	0.0	18.8	0.2	49.4	96.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	13.2	13.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.1	0.0	0.0	0.1	17.7	0.0	0.0	0.0	0.0	17.7	17.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	25.9	0.0	0.0	25.9	6.8	0.0	0.0	0.0	0.3	7.1	33.0
GRAND TOTAL	118.3	0.0	13.7	132.0	158.3	0.0	0.0	19.2	0.5	178.0	310.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY RHODE ISLAND

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
GRAND TOTAL	0.0	0.0	0.0	0.0	29.4	0.0	0.0	0.0	0.0	29.4	29.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY VERMONT

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	11.5	11.5	2.9	0.0	3.0	0.0	0.0	5.9	17.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.2	0.0	0.9	0.0	0.0	3.1	3.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.1	0.1	2.3	0.0	0.0	0.0	0.0	2.3	2.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
GRAND TOTAL	0.0	0.0	11.7	11.7	22.6	0.0	4.0	0.0	0.0	26.6	38.3

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM GROUP SUMMARY WEST VIRGINIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	13.4	0.0	0.0	13.4	6.9	0.0	0.0	0.0	0.0	6.9	20.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	23.7	23.7	11.8	0.0	0.0	0.0	0.0	11.8	35.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	41.2	0.0	0.0	41.2	11.1	0.0	0.0	0.0	0.0	11.1	52.3
RPG 4.00: ANIMALS	0.1	0.0	0.0	0.1	7.2	0.0	0.0	0.0	0.0	7.2	7.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	54.8	0.0	23.7	78.5	40.1	0.0	0.0	0.0	0.0	40.1	118.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY ALABAMA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	ALABAM TUSKEG	ALABAM NORMAL	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.3	0.0	0.0	7.3	15.9	0.2	0.9	0.0	0.0	17.1	24.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	7.1	7.1	19.3	0.0	0.6	0.0	0.0	19.9	27.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.6	0.0	0.0	3.6	32.3	4.8	5.4	0.0	0.0	42.6	46.2
RPG 4.00: ANIMALS	5.0	0.0	0.0	5.0	36.0	3.7	0.9	15.1	0.2	55.9	60.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.1	1.1	1.6	0.0	0.0	7.8	7.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	7.8	0.0	1.5	0.0	0.0	9.4	9.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.5	0.0	0.2	0.0	0.0	3.7	3.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.3	0.7	0.9	0.0	0.0	4.0	4.0
GRAND TOTAL	16.0	0.0	7.1	23.1	122.7	10.6	12.3	15.1	0.2	160.9	184.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY ARKANSAS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	10.9	10.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	6.4	6.4	12.2	0.0	0.0	0.0	0.0	12.2	18.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	6.2	0.0	0.0	6.2	48.6	2.9	0.0	0.0	0.0	51.5	57.7
RPG 4.00: ANIMALS	0.7	0.0	0.0	0.7	20.7	3.7	0.0	0.0	0.0	24.5	25.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.5	0.9	0.0	0.0	0.0	7.4	7.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	7.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	1.5	0.0	0.0	0.0	3.3	3.3
GRAND TOTAL	7.0	0.0	6.4	13.4	113.0	9.2	0.0	0.0	0.0	122.2	135.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY FLORIDA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	6.4	0.0	0.0	6.4	39.2	4.0	0.0	0.5	0.0	43.7	50.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.3	9.3	29.4	0.0	0.0	0.0	0.0	29.4	38.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	77.5	0.0	0.0	77.5	216.3	1.7	0.0	0.0	0.9	219.0	296.5
RPG 4.00: ANIMALS	11.8	0.0	0.0	11.8	65.9	2.2	0.0	15.6	0.7	84.4	96.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	19.6	0.0	0.0	19.6	8.3	0.8	0.0	0.0	0.0	9.1	28.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	18.9	0.0	0.0	0.0	0.0	18.9	18.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.3	0.0	0.0	2.3	8.0	0.0	0.0	0.0	0.0	8.0	10.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	11.9	0.2	0.0	0.0	0.0	12.2	12.2
GRAND TOTAL	117.8	0.0	9.3	127.1	398.4	9.0	0.0	16.1	1.6	425.1	552.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY GEORGIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	14.9	0.0	1.9	16.8	12.5	0.4	0.0	3.4	0.0	16.3	33.1
RPG 2.00: FOREST RESOURCES	0.7	0.0	38.3	39.1	13.4	0.0	0.0	0.0	0.0	13.4	52.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	100.9	0.0	0.0	100.9	93.1	3.7	0.0	0.0	1.3	98.2	199.2
RPG 4.00: ANIMALS	22.6	0.0	0.0	22.6	37.5	1.8	0.0	29.7	0.0	69.0	91.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.1	1.2	0.0	0.1	0.0	6.5	6.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	13.0	1.5	0.0	0.0	0.0	14.6	14.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.0	0.0	0.0	1.0	2.7	0.0	0.0	1.4	1.5	5.6	6.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	25.7	0.0	0.0	25.7	8.1	0.7	0.0	0.0	0.0	8.8	34.6
RPG 9.00: UNCLASSIFIED	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
GRAND TOTAL	168.0	0.0	40.3	208.3	185.7	9.5	0.0	34.7	2.9	232.8	441.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY KENTUCKY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	7.0	0.7	0.0	0.0	0.0	7.8	7.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.4	4.4	9.1	1.3	0.0	0.0	0.0	10.4	14.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.0	0.0	0.0	7.0	51.8	3.8	0.0	0.0	0.1	55.8	62.8
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	30.2	3.2	0.0	0.0	0.0	33.4	33.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	9.0	3.3	0.0	0.0	0.0	12.3	12.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.5	5.3	5.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.1	0.7	0.0	0.0	0.0	1.8	1.8
GRAND TOTAL	7.0	0.0	4.4	11.4	122.1	13.2	0.0	0.0	0.7	136.0	147.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY LOUISIANA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	6.1	0.0	0.7	6.9	13.9	0.0	0.0	0.5	0.0	14.4	21.4
RPG 2.00: FOREST RESOURCES	2.4	0.0	23.3	25.7	16.4	0.0	2.8	0.0	0.0	19.2	44.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	85.1	0.0	0.4	85.5	106.0	2.2	0.0	0.0	0.0	108.2	193.8
RPG 4.00: ANIMALS	11.3	0.0	0.0	11.3	51.4	1.6	0.0	13.8	0.3	67.2	78.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	11.6	0.6	0.0	0.0	0.0	12.2	12.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.6	1.3	0.0	0.0	0.0	9.9	9.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.6	0.0	0.0	0.6	3.2	0.0	0.0	0.0	0.0	3.2	3.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	12.0	0.0	0.0	12.0	3.2	1.1	0.0	0.0	0.0	4.3	16.3
GRAND TOTAL	117.7	0.0	24.5	142.2	214.7	6.8	2.8	14.4	0.3	239.0	381.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY MISSISSIPPI

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	22.6	0.0	0.0	22.6	17.3	0.4	0.0	0.0	0.0	17.7	40.4
RPG 2.00: FOREST RESOURCES	5.6	0.0	33.3	38.9	36.2	0.0	0.0	0.0	0.0	36.2	75.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	86.3	0.0	0.0	86.3	78.9	2.0	0.0	0.0	0.0	81.0	167.4
RPG 4.00: ANIMALS	6.2	0.0	0.0	6.2	51.9	1.9	0.0	0.0	0.0	53.8	60.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.6	2.0	0.0	0.0	0.0	7.6	7.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.8	0.2	0.0	0.0	0.0	9.1	9.1
RPG 7.00: GENERAL RESCURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	3.5	4.9	4.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.9	0.4	0.0	0.0	0.0	2.3	2.3
GRAND TOTAL	120.9	0.0	33.3	154.2	202.4	7.1	0.0	0.0	3.5	213.0	367.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY NORTH CAROLINA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	6.0	0.0	0.0	6.0	19.5	0.7	0.0	0.0	0.0	20.2	26.2
RPG 2.00: FOREST RESOURCES	0.0	0.0	29.7	29.7	29.7	0.0	0.0	0.0	0.0	29.7	59.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	36.6	0.0	0.0	36.6	95.2	1.5	0.0	0.0	0.2	96.9	133.5
RPG 4.00: ANIMALS	0.6	0.0	0.0	0.6	51.3	1.9	0.0	0.0	1.0	54.2	54.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.4	2.6	0.0	0.0	0.0	9.1	9.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	17.0	1.7	0.0	0.0	0.0	18.8	18.8
RPG 7.00: GENERAL RESCURCE OR TECHNOLOGY CLASSIFICATION ITEMS	4.1	0.0	0.0	4.1	15.3	0.0	0.0	0.0	0.0	15.3	19.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.3	1.7	0.0	0.0	0.0	9.0	9.0
GRAND TOTAL	47.4	0.0	29.7	77.1	242.1	10.3	0.0	0.0	1.2	253.6	330.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY OKLAHOMA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	15.9	0.0	0.0	15.9	13.5	0.1	0.0	0.0	0.0	13.6	29.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	23.2	0.0	0.0	23.2	46.7	1.4	0.0	0.0	0.2	48.3	71.5
RPG 4.00: ANIMALS	8.6	0.0	0.0	8.6	33.0	5.4	0.0	0.0	0.0	38.4	47.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	12.3	12.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.2	0.0	0.0	0.2	2.0	0.0	0.0	0.0	0.0	2.0	2.2
GRAND TOTAL	48.0	0.0	0.0	48.0	121.5	6.9	0.0	0.0	0.2	128.6	176.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY PUERTO RICO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	2.2	0.0	0.0	2.2	1.4	0.0	0.0	0.0	0.0	1.4	3.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.7	4.7	0.4	0.0	0.0	0.0	0.0	0.4	5.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	22.5	0.0	0.0	22.5	44.7	0.0	0.0	0.0	0.0	44.7	67.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
GRAND TOTAL	24.7	0.0	4.7	29.4	57.6	0.0	0.0	0.0	0.0	57.6	87.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY SOUTH CAROLINA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.5	0.0	0.0	5.5	5.5	0.2	0.4	0.0	0.0	6.1	11.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	8.2	8.2	0.1	0.0	11.0	0.0	0.0	11.1	19.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	26.8	0.0	0.0	26.8	51.9	0.5	0.0	0.0	0.0	52.4	79.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3	21.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.6	5.2	0.4	0.0	0.0	9.2	9.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.6	0.0	0.0	0.6	5.7	1.7	0.0	0.0	0.0	7.4	8.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.2	0.6	0.0	0.0	0.0	4.8	4.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.1	1.9	1.9
GRAND TOTAL	33.0	0.0	8.2	41.2	94.4	8.2	11.8	0.0	0.1	114.5	155.7

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY TENNESSEE

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	10.8	0.6	0.0	0.0	0.0	11.4	11.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	2.7	2.7	8.7	0.0	0.0	0.0	0.0	8.7	11.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.0	0.0	0.0	1.0	51.2	3.9	0.0	0.0	0.0	55.2	56.2
RPG 4.00: ANIMALS	1.8	0.0	0.0	1.8	29.4	1.4	0.0	0.0	0.6	31.4	33.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.0	2.1	0.0	0.0	0.0	6.2	6.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.2	1.1	0.0	0.0	0.0	9.3	9.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.0	0.3	0.0	0.0	0.2	5.5	5.5
GRAND TOTAL	2.8	0.0	2.7	5.5	117.9	9.6	0.0	0.0	0.8	128.3	133.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY TEXAS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	25.7	0.0	0.0	25.7	36.5	1.7	0.3	4.5	0.0	43.2	68.9
RPG 2.00: FOREST RESOURCES	0.4	0.0	1.3	1.7	8.0	0.0	3.4	0.0	0.0	11.5	13.2
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	85.0	0.0	0.0	85.0	146.5	0.0	0.0	0.0	0.2	146.7	231.8
RPG 4.00: ANIMALS	40.3	0.0	0.0	40.3	58.5	9.2	0.0	20.4	1.4	89.6	129.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.5	0.0	0.0	0.5	4.8	0.8	0.0	0.0	0.0	5.6	6.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.2	0.0	0.0	1.2	16.8	1.0	0.0	0.0	0.0	17.8	19.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.0	0.0	0.0	2.0	14.3	0.0	0.0	0.0	1.0	15.3	17.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	4.0	0.0	0.0	4.0	5.9	0.8	0.0	0.0	0.2	6.9	10.9
RPG 9.00: UNCLASSIFIED	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
GRAND TOTAL	161.4	0.0	1.3	162.7	291.7	13.6	3.8	25.0	2.8	336.9	499.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY VIRGIN ISLANDS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.2	0.0	0.0	0.2	3.6	0.0	0.0	0.0	0.0	3.6	3.8
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
GRAND TOTAL	0.2	0.0	0.0	0.2	5.4	0.0	0.0	0.0	0.0	5.4	5.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM GROUP SUMMARY VIRGINIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	30.6	1.5	0.0	0.0	0.0	32.1	32.1
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	17.8	17.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	3.9	0.0	0.0	3.9	53.6	7.8	0.0	0.0	0.5	61.9	65.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	45.4	2.0	0.0	0.0	0.0	47.4	47.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	6.6	1.6	0.0	0.0	0.0	8.2	8.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	11.4	11.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	1.9	0.0	0.0	0.0	3.9	3.9
GRAND TOTAL	4.0	0.0	0.0	4.0	174.6	14.8	0.0	0.0	0.5	189.9	193.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY ILLINOIS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	1.8	0.0	0.0	1.8	18.8	0.0	0.1	2.5	0.0	21.4	23.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	11.2	11.2	12.6	0.0	4.4	0.0	0.1	17.1	28.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	137.5	0.0	0.0	137.5	61.3	0.0	0.0	0.0	1.4	62.7	200.2
RPG 4.00: ANIMALS	4.7	0.0	0.0	4.7	36.5	0.0	0.0	37.4	1.0	74.9	79.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.5	0.0	0.0	0.5	15.0	0.0	0.0	0.0	0.0	15.0	15.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	9.3	0.0	0.0	9.3	7.4	0.0	0.0	0.0	0.5	7.9	17.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	19.1	0.0	0.0	19.1	10.1	0.0	0.0	0.0	2.4	12.5	31.6
GRAND TOTAL	173.2	0.0	11.2	184.4	169.3	0.0	4.5	39.9	5.4	219.1	403.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY INDIANA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.5	0.0	0.0	7.5	11.0	0.0	0.0	0.0	0.0	11.0	18.5
RPG 2.00: FOREST RESOURCES	0.1	0.0	0.0	0.1	10.9	0.0	0.0	0.0	0.0	10.9	11.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	10.2	0.0	0.0	10.2	50.5	0.0	0.0	0.0	0.4	50.9	61.2
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	34.8	0.0	0.0	0.0	0.0	34.8	34.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	12.7	12.7
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	9.1	9.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.4	7.8	7.8
GRAND TOTAL	17.9	0.0	0.0	17.9	142.5	0.0	0.0	0.0	0.8	143.3	161.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY IOWA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	4.9	0.0	0.0	4.9	15.6	0.0	0.0	0.0	0.0	15.6	20.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	19.6	0.0	0.0	19.6	41.7	0.0	0.0	0.0	0.1	41.8	61.4
RPG 4.00: ANIMALS	60.9	0.0	0.0	60.9	28.9	0.0	0.0	27.1	0.3	56.3	117.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	7.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0	13.9	13.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
GRAND TOTAL	85.5	0.0	0.0	85.5	122.9	0.0	0.0	27.2	0.4	150.5	236.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY KANSAS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.0	0.0	0.0	5.0	14.4	0.0	0.0	0.0	0.0	14.4	19.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	22.6	0.0	0.0	22.6	103.1	0.0	0.0	0.0	0.0	103.1	125.7
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	47.4	0.0	0.0	0.0	0.5	47.9	47.9
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4	7.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	2.8	0.0	0.0	2.8	10.5	0.0	0.0	0.0	0.0	10.5	13.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	10.2	10.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
GRAND TOTAL	30.5	0.0	0.0	30.5	198.9	0.0	0.0	0.0	0.5	199.4	229.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY MICHIGAN

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	MICH A ARB	MICH HOUGHT	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	21.1	0.6	0.0	0.0	0.0	21.7	21.7
RPG 2.00: FOREST RESOURCES	0.0	0.0	9.5	9.5	11.9	3.5	12.5	0.0	0.5	28.5	38.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	9.8	0.0	0.0	9.8	47.9	0.0	0.0	0.0	2.2	50.1	59.9
RPG 4.00: ANIMALS	12.6	0.0	0.0	12.6	24.8	0.0	0.0	0.0	2.0	26.8	39.4
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	8.6	8.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0	22.2	22.2
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.1	0.0	0.0	0.1	12.3	0.0	0.0	0.0	0.0	12.3	12.4
GRAND TOTAL	22.5	0.0	9.5	32.0	153.5	4.2	12.5	0.0	4.7	174.9	206.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY MINNESOTA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	11.0	0.0	0.0	11.0	22.9	0.0	0.0	0.0	0.0	22.9	34.0
RPG 2.00: FOREST RESOURCES	1.0	0.0	33.5	34.5	22.4	0.0	0.0	0.0	0.0	22.4	56.9
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	32.6	0.0	0.0	32.6	53.9	0.0	0.0	0.0	0.1	54.0	86.6
RPG 4.00: ANIMALS	1.0	0.0	0.0	1.0	36.8	0.0	0.0	24.5	0.0	61.3	62.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	1.0	1.0	22.5	0.0	0.0	0.0	0.0	22.5	23.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.3	0.0	0.0	0.3	11.2	0.0	0.0	0.0	0.0	11.2	11.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.7	0.0	0.0	0.7	5.7	0.0	0.0	0.0	0.0	5.7	6.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	13.2	13.2
GRAND TOTAL	46.8	0.0	34.5	81.3	189.0	0.0	0.0	24.5	0.1	213.6	294.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY MISSOURI

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	3.2	0.0	0.0	3.2	12.8	0.1	0.0	0.0	0.0	12.9	16.2
RPG 2.00: FOREST RESOURCES	1.0	0.0	3.5	4.5	7.6	0.0	0.0	0.0	0.0	7.6	12.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	15.8	0.0	0.0	15.8	38.8	4.3	0.0	0.0	0.6	43.8	59.6
RPG 4.00: ANIMALS	5.5	0.0	0.0	5.5	34.5	3.2	0.0	20.9	0.0	58.6	64.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.1	0.8	0.0	0.0	0.0	5.0	5.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.9	1.2	0.0	0.2	0.0	14.3	14.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.0	0.0	0.0	2.0	9.4	0.0	0.0	0.2	0.0	9.6	11.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.8	0.0	0.0	0.8	7.0	5.4	0.0	0.0	0.0	12.4	13.2
GRAND TOTAL	28.5	0.0	3.5	32.0	127.5	15.2	0.0	21.3	0.6	164.6	196.6

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY NEBRASKA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.5	0.0	0.0	7.5	19.4	0.0	0.0	0.0	1.0	20.4	27.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.3	4.3	3.7	0.0	0.0	0.0	0.0	3.7	8.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	11.7	0.0	0.0	11.7	57.2	0.0	0.0	0.0	0.0	57.2	68.9
RPG 4.00: ANIMALS	44.4	0.0	0.0	44.4	41.0	0.0	0.0	0.0	0.0	41.0	85.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.1	0.0	0.0	0.1	6.2	0.0	0.0	0.0	0.0	6.2	6.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.1	0.0	0.0	1.1	6.2	0.0	0.0	0.0	0.0	6.2	7.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	2.0	0.0	0.0	2.0	4.4	0.0	0.0	0.0	0.0	4.4	6.4
GRAND TOTAL	67.0	0.0	4.3	71.3	143.6	0.0	0.0	0.0	1.0	144.6	215.9

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY NORTH DAKOTA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	7.7	0.0	0.0	7.7	18.8	0.0	0.0	0.0	0.0	18.8	26.6
RPG 2.00: FOREST RESOURCES	1.7	0.0	0.0	1.7	2.8	0.0	0.0	0.0	0.0	2.8	4.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	38.0	0.0	0.0	38.0	61.3	0.0	0.0	0.0	0.5	61.8	99.8
RPG 4.00: ANIMALS	17.4	0.0	0.0	17.4	28.4	0.0	0.0	0.0	0.0	28.4	45.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	6.1	6.1
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	18.8	0.0	0.0	18.8	0.6	0.0	0.0	0.0	0.0	0.6	19.4
GRAND TOTAL	83.8	0.0	0.0	83.8	125.2	0.0	0.0	0.0	0.5	125.7	209.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY OHIO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	OHIO ALLIAN	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	5.3	0.0	0.0	5.3	16.2	0.0	0.0	0.0	1.0	17.2	22.5
RPG 2.00: FOREST RESOURCES	2.2	0.0	20.0	22.2	11.7	0.0	0.0	0.0	1.1	12.8	35.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	13.3	0.0	0.0	13.3	55.0	0.0	0.0	0.0	0.1	55.1	68.4
RPG 4.00: ANIMALS	0.6	0.0	0.0	0.6	36.2	0.2	0.0	14.6	1.4	52.4	53.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.1	0.0	8.6	8.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	12.0	12.0
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.4	0.0	0.0	2.4	1.3	0.0	0.0	0.0	0.0	1.3	3.8
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
GRAND TOTAL	24.0	0.0	20.0	44.0	148.3	0.2	0.0	14.7	3.6	166.8	210.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY SOUTH DAKOTA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	8.3	8.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	5.7	5.7	2.2	0.0	0.0	0.0	0.0	2.2	8.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	10.4	0.0	0.2	10.6	28.9	0.0	0.0	0.0	0.0	28.9	39.5
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.0	21.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL	10.4	0.0	6.0	16.4	67.8	0.0	0.0	0.0	0.0	67.8	84.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM GROUP SUMMARY WISCONSIN

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	17.6	0.0	0.0	0.0	0.0	17.6	17.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	88.6	88.6	11.7	0.0	0.0	0.0	1.2	12.9	101.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	21.6	0.0	0.0	21.6	39.5	0.0	0.0	0.0	0.2	39.7	61.3
RPG 4.00: ANIMALS	3.9	0.0	0.0	3.9	41.9	0.0	0.0	0.0	1.8	43.7	47.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	12.3	12.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.5	0.0	0.0	1.5	26.3	0.0	0.0	0.0	1.4	27.7	29.2
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.9	0.0	0.0	0.9	14.7	0.0	0.0	0.0	0.1	14.8	15.7
GRAND TOTAL	28.0	0.0	88.6	116.6	173.2	0.0	0.0	0.0	4.7	177.9	294.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY ALASKA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	3.2	0.0	0.0	3.2	2.0	0.0	0.0	0.0	0.0	2.0	5.3
RPG 2.00: FOREST RESOURCES	0.0	0.0	33.9	33.9	2.1	0.0	0.0	0.0	0.0	2.1	36.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	1.4	0.0	0.0	1.4	3.5	0.0	0.0	0.0	0.0	3.5	4.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	4.7	0.0	33.9	38.6	11.2	0.0	0.0	0.0	0.0	11.2	49.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY ARIZONA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	22.8	0.0	0.0	22.8	24.5	0.0	0.0	0.0	0.0	24.5	47.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	16.2	16.2	9.7	0.0	3.9	0.0	0.0	13.6	29.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	46.6	0.0	0.0	46.6	47.5	0.0	0.0	0.0	0.0	47.5	94.1
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	33.9	0.0	0.0	0.0	0.7	34.6	34.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	44.8	0.0	0.0	0.0	0.0	44.8	44.8
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	7.9	7.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.0	0.0	0.0	1.0	3.4	0.0	0.0	0.0	0.2	3.6	4.6
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.1	0.0	0.0	0.1	6.5	0.0	0.0	0.0	0.0	6.5	6.6
GRAND TOTAL	70.6	0.0	16.2	86.8	178.6	0.0	3.9	0.0	0.9	183.4	270.2

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY CALIFORNIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	20.7	0.0	0.0	20.7	67.4	0.0	0.0	4.2	0.0	71.6	92.3
RPG 2.00: FOREST RESOURCES	1.0	0.0	64.1	65.1	36.5	0.0	0.2	0.0	0.2	36.9	102.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	139.0	0.0	0.0	139.0	204.3	0.0	0.0	0.0	6.5	210.8	349.8
RPG 4.00: ANIMALS	7.2	0.0	0.0	7.2	93.8	0.0	0.0	66.3	0.6	160.7	168.0
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	26.0	26.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.1	0.0	0.0	1.1	20.8	0.0	0.0	0.0	0.0	20.8	21.9
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	6.1	0.0	0.0	6.1	54.3	0.0	0.0	0.0	0.0	54.3	60.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	27.6	0.0	0.0	27.6	40.4	0.0	0.0	0.6	0.0	41.0	68.6
GRAND TOTAL	202.9	0.0	64.1	267.0	543.8	0.0	0.2	71.1	7.3	622.4	889.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY COLORADO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	17.6	0.0	0.0	17.6	37.9	0.0	0.0	0.0	1.0	38.9	56.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	19.7	19.7	9.6	0.0	0.0	0.0	0.0	9.6	29.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	20.8	0.0	0.0	20.8	70.4	0.0	0.0	0.0	0.0	70.4	91.3
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	27.5	0.0	0.0	68.3	0.0	95.8	95.8
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.6	0.0	0.0	0.6	2.7	0.0	0.0	0.0	0.0	2.7	3.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
GRAND TOTAL	39.1	0.0	19.7	58.8	160.0	0.0	0.0	68.3	1.0	229.3	288.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY GUAM

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	13.4	13.4
GRAND TOTAL	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	14.5	14.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY HAWAII

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	9.9	9.9
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.5	4.5	4.2	0.0	0.0	0.0	0.0	4.2	8.7
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.4	0.0	0.0	14.4	47.4	0.0	0.0	0.0	0.0	47.4	61.8
RPG 4.00: ANIMALS	1.0	0.0	0.0	1.0	17.6	0.0	0.0	0.0	0.0	17.6	18.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	1.0	0.0	0.0	1.0	4.7	0.0	0.0	0.0	0.0	4.7	5.7
RPG 7.00: GENERAL RESCURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	7.7	7.7
GRAND TOTAL	16.4	0.0	4.5	20.9	99.2	0.0	0.0	0.0	0.0	99.2	120.1

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY IDAHO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	16.1	0.0	0.0	16.1	14.7	0.0	3.3	0.0	0.0	18.1	34.2
RPG 2.00: FOREST RESOURCES	0.0	0.0	23.5	23.5	0.9	0.0	15.6	0.0	0.0	16.6	40.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.0	0.0	0.0	14.0	38.6	0.0	0.2	0.0	0.0	38.9	53.0
RPG 4.00: ANIMALS	6.6	0.0	0.0	6.6	12.1	0.0	0.0	0.0	0.0	12.1	18.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.6	0.0	1.6	0.0	0.0	5.2	5.2
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	7.3	7.3
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	36.8	0.0	23.5	60.3	82.6	0.0	20.9	0.0	0.0	103.5	163.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY MONTANA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	1.2	0.0	0.0	1.2	8.2	0.0	0.0	0.0	0.0	8.3	9.5
RPG 2.00: FOREST RESOURCES	0.0	0.0	29.1	29.1	2.4	0.0	13.9	0.0	0.2	16.5	45.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	19.0	0.0	0.0	19.0	36.7	0.0	0.1	0.0	0.0	36.8	55.8
RPG 4.00: ANIMALS	6.8	0.0	0.0	6.8	16.8	0.0	0.0	0.0	0.0	16.8	23.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
GRAND TOTAL	27.0	0.0	29.1	56.1	74.0	0.0	14.1	0.0	0.2	88.3	144.4

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY NEVADA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RPG 2.00: FOREST RESOURCES	0.0	0.0	1.1	1.1	1.9	0.0	0.0	0.0	0.0	1.9	3.0
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	4.0	0.0	0.0	4.0	5.9	0.0	0.0	0.0	0.0	5.9	9.9
RPG 4.00: ANIMALS	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	11.5	11.5
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	4.0	0.0	1.1	5.1	33.7	0.0	0.0	0.0	0.0	33.7	38.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY NEW MEXICO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESOURCES	0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	11.8	11.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	4.4	4.4	3.7	0.0	0.0	0.0	0.0	3.7	8.1
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	7.6	0.0	0.0	7.6	26.5	0.0	0.0	0.0	0.0	26.5	34.2
RPG 4.00: ANIMALS	1.3	0.0	0.0	1.3	12.3	0.0	0.0	0.0	0.0	12.3	13.7
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RPG 7.00: GENERAL RESOURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.1	0.9	0.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
GRAND TOTAL	9.0	0.0	4.4	13.4	63.0	0.0	0.0	0.0	0.1	63.1	76.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY OREGON

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	2.9	0.0	0.0	2.9	24.6	0.0	10.2	0.0	0.0	34.8	37.8
RPG 2.00: FOREST RESOURCES	0.0	0.0	69.2	69.2	5.7	0.0	43.6	0.0	0.2	49.6	118.8
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	32.0	0.0	0.0	32.0	68.3	0.0	0.0	0.0	1.3	69.6	101.7
RPG 4.00: ANIMALS	0.7	0.0	0.0	0.7	31.6	0.0	0.0	3.9	0.0	35.5	36.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	12.4	0.0	0.1	0.0	0.0	12.5	12.5
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RPG 7.00: GENERAL RESCURCE OR TECHNOLOGY CLASSIFICATION ITEMS	1.4	0.0	0.0	1.4	7.1	0.0	0.1	0.0	0.0	7.3	8.7
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	14.1	0.0	0.0	0.0	0.0	14.1	14.1
GRAND TOTAL	37.1	0.0	69.3	106.4	169.0	0.0	54.2	3.9	1.5	228.6	335.0

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY UTAH

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	9.4	9.4
RPG 2.00: FOREST RESOURCES	0.0	0.0	16.6	16.6	3.8	0.0	0.0	0.0	0.0	3.8	20.4
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	14.4	0.0	0.0	14.4	21.0	0.0	0.0	0.0	0.0	21.0	35.4
RPG 4.00: ANIMALS	9.5	0.0	0.0	9.5	29.7	0.0	0.0	0.0	0.0	29.7	39.2
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RPG 7.00: GENERAL RESCURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
GRAND TOTAL	23.9	0.0	16.6	40.5	75.0	0.0	0.0	0.0	0.0	75.0	115.5

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY WASHINGTON

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	6.4	0.0	0.0	6.4	11.3	0.0	2.8	0.0	0.0	14.1	20.6
RPG 2.00: FOREST RESOURCES	1.2	0.0	17.1	18.3	5.1	0.0	19.5	0.0	1.2	25.9	44.3
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	48.7	0.0	0.0	48.7	60.3	0.0	1.0	0.0	0.6	61.9	110.7
RPG 4.00: ANIMALS	7.2	0.0	0.0	7.2	17.0	0.0	0.0	0.0	0.4	17.4	24.6
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RPG 7.00: GENERAL RESCURCE OR TECHNOLOGY CLASSIFICATION ITEMS	2.4	0.0	0.0	2.4	2.0	0.0	0.3	0.0	0.0	2.4	4.9
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.1	0.0	0.0	0.1	2.4	0.0	0.0	0.0	0.0	2.4	2.5
GRAND TOTAL	66.3	0.0	17.1	83.4	114.4	0.0	23.8	0.0	2.2	140.4	223.8

TABLE V-C STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM GROUP SUMMARY WYOMING

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RPG 1.00: NATURAL RESCURCES	1.1	0.0	0.0	1.1	4.4	0.0	0.0	0.0	0.0	4.4	5.6
RPG 2.00: FOREST RESOURCES	0.0	0.0	5.0	5.0	2.6	0.0	0.0	0.0	0.0	2.6	7.6
RPG 3.00: CROPS (FIELD & HORTICULTURAL)	2.2	0.0	0.0	2.2	15.3	0.0	0.0	0.0	0.0	15.3	17.5
RPG 4.00: ANIMALS	20.8	0.0	0.0	20.8	13.5	0.0	0.0	0.0	0.0	13.5	34.3
RPG 5.00: PEOPLE, COMMUNITIES, AND INST -- INCLUDING RURAL DEV	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RPG 6.00: COMPETITION, TRADE, ADJUSTMENT, PRICE & INCOME POLICY	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RPG 7.00: GENERAL RESCURCE OR TECHNOLOGY CLASSIFICATION ITEMS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RPG 8.00: FOOD SCIENCE AND HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
GRAND TOTAL	24.2	0.0	5.0	29.2	45.4	0.0	0.0	0.0	0.0	45.4	74.6

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989

RESEARCH PROGRAM SUMMARY

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	119.1	23.5	0.0	142.6	267.7	2.6	0.7	0.0	1.0	272.1	414.8
RP 1.02:	WATER & WATERSHEDS	124.8	15.0	0.7	140.7	169.8	2.1	6.9	0.0	1.0	179.9	320.6
RP 1.03:	RECREATION	0.0	0.4	0.0	0.4	16.8	0.0	1.3	0.0	0.0	18.1	18.6
RP 1.04:	ENVIRONMENTAL QUALITY	61.2	0.0	0.0	61.2	180.1	2.4	22.6	16.3	0.0	221.6	282.9
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	7.7	0.0	1.9	9.6	41.9	0.2	2.4	0.0	1.0	45.7	55.3
RP 1.06:	FISH & WILDLIFE	0.1	1.0	0.0	1.1	107.0	4.9	5.2	2.3	0.0	119.5	120.6
RP 1.07:	REMOTE SENSING	15.0	0.0	0.0	15.0	10.8	0.9	0.1	0.0	0.0	11.9	26.9
RP 1.08:	AQUATIC WEEDS	0.5	0.0	0.0	0.5	2.3	0.0	0.0	0.0	0.0	2.3	2.8
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	47.8	47.8	29.9	0.0	7.5	0.0	0.0	37.4	85.3
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	182.2	182.2	135.4	1.9	67.7	0.0	1.4	206.4	388.6
RP 2.03:	FOREST PROTECTION	14.1	0.0	155.4	169.6	65.1	0.0	10.4	0.0	1.5	77.0	246.7
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	150.9	150.9	114.6	0.0	65.4	0.0	3.2	183.2	334.1
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.2	0.0	95.6	95.9	48.1	0.0	21.3	0.0	0.0	69.4	165.4
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	58.8	58.8	34.6	0.0	11.7	0.0	0.0	46.3	105.2
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	19.4	19.4	14.5	0.0	4.4	0.0	0.0	18.9	38.4
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	16.5	16.5	21.3	0.0	4.0	0.0	0.0	25.4	41.9
RP 2.09:	TECHNICAL ASSISTANCE	17.4	0.0	0.0	17.4	16.9	0.0	0.0	0.0	0.0	16.9	34.4
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	1.8	0.0	5.2	7.0	4.7	0.0	0.8	0.0	0.0	5.5	12.6
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	1.9	0.0	1.9	0.0	0.0	3.9	3.9
RP 3.01:	CORN	155.1	0.0	0.0	155.1	183.0	1.9	0.0	0.0	1.2	186.2	341.3
RP 3.02:	GRAIN SORGHUM	14.6	0.0	0.0	14.6	61.2	0.3	0.0	0.0	0.0	61.6	76.2
RP 3.03:	WHEAT	128.8	0.0	0.0	128.8	189.9	0.5	0.0	0.0	0.2	190.7	319.5
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	39.0	0.0	0.0	39.0	77.6	0.5	0.0	0.0	0.6	78.7	117.7
RP 3.05:	RICE	17.2	0.0	0.0	17.2	44.8	0.0	0.0	0.0	0.0	44.8	62.1
RP 3.06:	SOYBEANS	155.7	0.0	0.0	155.7	195.7	16.7	0.0	0.0	2.0	214.5	370.3
RP 3.07:	PEANUTS	33.0	0.0	0.0	33.0	37.6	1.0	0.0	0.0	0.0	38.6	71.7
RP 3.08:	SUGAR	39.0	0.0	0.0	39.0	36.5	0.0	0.0	0.0	0.5	37.0	76.0
RP 3.09:	FORAGE, RANGE, & PASTURE	209.3	0.0	0.6	210.0	310.0	4.5	0.3	0.0	0.0	315.0	525.0
RP 3.10:	COTTON	181.8	0.0	0.0	181.8	98.9	0.0	0.0	0.0	0.0	98.9	280.7
RP 3.11:	TOBACCO	23.5	0.0	0.0	23.5	49.9	0.0	0.0	0.0	0.2	50.1	73.7
RP 3.12:	NEW CROPS & MINOR OILSEEDS	51.7	0.0	0.0	51.7	71.7	1.9	0.1	0.0	0.0	73.8	125.6
RP 3.13:	FRUIT	212.8	0.0	0.0	212.8	408.5	3.5	0.1	0.0	0.0	412.2	625.1
RP 3.14:	VEGETABLE CROPS	173.5	0.0	0.0	173.5	483.9	20.3	0.0	0.0	4.6	508.9	682.5
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	27.8	0.8	0.0	28.7	212.0	1.6	0.0	0.0	0.0	213.6	242.3
RP 3.16:	BEES & OTHER POLLINATING INSECTS	27.1	1.2	0.0	28.3	11.9	0.0	0.0	0.0	0.0	11.9	40.3
RP 3.17:	WEEDS IN CROPS	16.0	0.0	0.0	16.0	10.2	0.1	0.0	0.0	0.0	10.3	26.4

TABLE V-B NATIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989

RESEARCH PROGRAM SUMMARY

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.18:	SEEDS	8.3	0.0	0.0	8.3	19.0	0.0	0.0	0.0	0.0	19.0	27.4
RP 3.19:	NONSPECIFIC PLANTS	68.2	0.0	0.0	68.2	229.0	0.0	3.3	0.0	11.3	243.7	312.0
RP 4.01:	BEEF	145.5	0.0	0.0	145.5	364.5	2.9	0.0	77.8	3.8	449.1	594.7
RP 4.02:	DAIRY	117.9	0.0	0.0	117.9	286.3	1.8	0.0	45.1	0.6	333.9	451.8
RP 4.03:	POULTRY	72.7	0.0	0.0	72.7	210.4	2.0	0.0	26.8	4.3	243.5	316.2
RP 4.04:	SHEEP	36.4	0.0	0.0	36.4	81.0	1.3	0.0	22.7	0.0	105.1	141.6
RP 4.05:	SWINE	74.3	0.0	0.0	74.3	151.5	6.0	0.0	34.9	1.7	194.1	268.5
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	10.7	0.0	0.0	10.7	63.6	20.6	0.0	114.0	0.6	198.9	209.6
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	10.5	0.0	0.0	10.5	93.9	8.2	0.1	6.4	0.0	108.7	119.3
RP 4.08:	NONSPECIFIC ANIMALS	5.1	0.0	0.0	5.1	107.0	0.4	0.0	108.5	3.4	219.5	224.7
RP 4.09:	INVERTEBRATES	58.9	0.0	0.0	58.9	93.2	0.0	0.3	0.0	5.3	98.8	157.8
RP 5.01:	INDIVIDUALS AND FAMILIES	4.2	6.0	0.0	10.2	121.5	7.2	0.2	0.1	0.0	129.1	139.4
RP 5.02:	LIVING ENVIRONMENT	0.1	0.0	0.0	0.1	31.4	7.3	0.0	0.0	0.0	38.8	39.0
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.8	33.9	0.0	34.7	155.5	13.2	1.3	7.3	0.0	177.3	212.1
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	20.0	0.0	0.0	20.0	37.5	0.0	0.0	0.0	0.0	37.5	57.5
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.5	1.0	1.5	17.3	0.0	2.0	0.0	0.0	19.3	20.8
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	63.8	0.0	63.8	165.6	5.2	0.0	0.2	0.0	171.0	234.9
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	4.8	118.6	0.0	123.4	82.5	1.2	0.2	0.0	0.0	84.0	207.4
RP 6.03:	MARKETING & COMPETITION	5.8	136.2	0.1	142.3	167.2	5.0	0.0	0.0	0.0	172.2	314.6
RP 7.01:	MANMADE RESOURCES	6.1	0.0	0.0	6.1	25.0	0.0	1.3	0.2	2.5	29.1	35.2
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	69.2	0.0	0.0	69.2	294.0	0.8	3.2	2.9	11.2	312.2	381.4
RP 8.01:	HUMAN NUTRITION	104.9	4.6	0.0	109.6	153.9	15.7	0.0	0.4	1.9	172.0	281.6
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	40.3	0.4	0.0	0.1	2.4	43.2	43.2
RP 8.03:	FOOD SAFETY	96.4	2.1	0.0	98.5	95.4	1.1	0.0	2.6	1.1	100.2	198.8
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	2.3	0.0	0.0	2.3	11.9	0.0	0.0	0.0	0.0	11.9	14.2
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4	7.4
RP 9.01:	UNCLASSIFIED	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
GRAND TOTAL		2797.4	408.2	736.8	3942.4	6875.9	169.7	247.6	469.1	68.9	7831.2	11773.6

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 FOREIGN

RESEARCH PROGRAM SUMMARY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.03: FOREST PROTECTION	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
RP 2.09: TECHNICAL ASSISTANCE	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RP 3.03: WHEAT	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 3.09: FORAGE, RANGE, & PASTURE	3.2	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2
RP 3.10: COTTON	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.13: FRUIT	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
RP 3.14: VEGETABLE CROPS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 4.01: BEEF	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
RP 4.03: POULTRY	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	17.2	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	17.2

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY NORTHEAST REGION

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	18.8	23.5	0.0	42.3	34.4	0.0	0.0	0.0	0.0	34.4	76.7
RP 1.02:	WATER & WATERSHEDS	13.1	15.0	0.0	28.2	13.7	0.0	0.1	0.0	0.0	13.8	42.1
RP 1.03:	RECREATION	0.0	0.4	0.0	0.4	1.6	0.0	0.0	0.0	0.0	1.6	2.1
RP 1.04:	ENVIRONMENTAL QUALITY	25.4	0.0	0.0	25.4	48.2	0.0	19.7	1.9	0.0	69.9	95.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	2.9	0.0	0.0	2.9	4.0	0.0	0.1	0.0	0.0	4.1	7.0
RP 1.06:	FISH & WILDLIFE	0.0	1.0	0.0	1.0	25.2	1.7	1.5	1.0	0.0	29.5	30.5
RP 1.07:	REMOTE SENSING	8.8	0.0	0.0	8.8	2.8	0.0	0.1	0.0	0.0	2.9	11.7
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.1	4.1	4.6	0.0	0.8	0.0	0.0	5.4	9.5
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	22.8	22.8	19.5	0.0	17.9	0.0	0.2	37.7	60.6
RP 2.03:	FOREST PROTECTION	12.8	0.0	16.7	29.6	20.6	0.0	3.4	0.0	1.3	25.3	55.0
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	17.9	17.9	13.5	0.0	29.7	0.0	0.0	43.2	61.2
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	12.9	12.9	13.1	0.0	4.5	0.0	0.0	17.6	30.5
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.7	3.7	6.4	0.0	0.6	0.0	0.0	7.0	10.8
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	3.1	3.1	2.1	0.0	0.8	0.0	0.0	2.9	6.0
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.1	1.1	5.5	0.0	0.2	0.0	0.0	5.7	6.8
RP 2.09:	TECHNICAL ASSISTANCE	1.0	0.0	0.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.4
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	0.7
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.9	1.9
RP 3.01:	CORN	7.6	0.0	0.0	7.6	23.5	0.0	0.0	0.0	0.7	24.2	31.9
RP 3.02:	GRAIN SORGHUM	0.3	0.0	0.0	0.3	1.0	0.0	0.0	0.0	0.0	1.0	1.3
RP 3.03:	WHEAT	11.3	0.0	0.0	11.3	6.4	0.0	0.0	0.0	0.0	6.4	17.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	10.8	0.0	0.0	10.8	7.8	0.0	0.0	0.0	0.0	7.8	18.6
RP 3.05:	RICE	2.4	0.0	0.0	2.4	0.8	0.0	0.0	0.0	0.0	0.8	3.2
RP 3.06:	SOYBEANS	31.5	0.0	0.0	31.5	8.0	4.0	0.0	0.0	1.0	13.0	44.5
RP 3.07:	PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.08:	SUGAR	3.9	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	3.9
RP 3.09:	FORAGE, RANGE, & PASTURE	45.7	0.0	0.0	45.7	20.8	1.0	0.0	0.0	0.0	21.9	67.6
RP 3.10:	COTTON	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
RP 3.11:	TOBACCO	2.4	0.0	0.0	2.4	7.9	0.0	0.0	0.0	0.1	8.0	10.4
RP 3.12:	NEW CROPS & MINOR OILSEEDS	8.8	0.0	0.0	8.8	4.6	0.0	0.1	0.0	0.0	4.8	13.6
RP 3.13:	FRUIT	50.4	0.0	0.0	50.4	78.1	0.0	0.0	0.0	0.0	78.1	128.6
RP 3.14:	VEGETABLE CROPS	56.3	0.0	0.0	56.3	89.6	1.8	0.0	0.0	0.3	91.7	148.0
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	22.0	0.8	0.0	22.9	33.1	0.2	0.0	0.0	0.0	33.3	56.2
RP 3.16:	BEES & OTHER POLLINATING INSECTS	6.5	1.2	0.0	7.7	1.9	0.0	0.0	0.0	0.0	1.9	9.6
RP 3.17:	WEEDS IN CROPS	8.9	0.0	0.0	8.9	0.4	0.0	0.0	0.0	0.0	0.4	9.3
RP 3.18:	SEEDS	2.8	0.0	0.0	2.8	2.8	0.0	0.0	0.0	0.0	2.8	5.6

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY NORTHEAST REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.19: NONSPECIFIC PLANTS	27.8	0.0	0.0	27.8	24.7	0.0	2.2	0.0	1.1	28.1	55.9
RP 4.01: BEEF	27.4	0.0	0.0	27.4	14.8	0.1	0.0	2.8	1.5	19.3	46.8
RP 4.02: DAIRY	64.2	0.0	0.0	64.2	51.1	0.6	0.0	6.1	0.6	58.4	122.7
RP 4.03: POULTRY	26.9	0.0	0.0	26.9	45.4	0.0	0.0	5.6	0.6	51.7	78.6
RP 4.04: SHEEP	10.2	0.0	0.0	10.2	7.4	0.0	0.0	4.5	0.0	12.0	22.2
RP 4.05: SWINE	29.9	0.0	0.0	29.9	10.0	0.0	0.0	2.0	0.0	12.1	42.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	7.0	0.0	0.0	7.0	8.3	0.0	0.0	44.5	0.0	52.8	59.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	13.4	0.3	0.1	0.2	0.0	14.0	14.0
RP 4.08: NONSPECIFIC ANIMALS	1.5	0.0	0.0	1.5	11.9	0.0	0.0	12.8	2.0	26.7	28.3
RP 4.09: INVERTEBRATES	36.1	0.0	0.0	36.1	17.2	0.0	0.3	0.0	2.0	19.5	55.7
RP 5.01: INDIVIDUALS AND FAMILIES	4.2	6.0	0.0	10.2	23.8	0.4	0.0	0.0	0.0	24.2	34.5
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	3.2	0.9	0.0	0.0	0.0	4.2	4.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.2	33.9	0.0	34.1	38.2	1.4	0.5	7.2	0.0	47.3	81.5
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.4	0.0	0.0	0.4	9.8	0.0	0.0	0.0	0.0	9.8	10.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.5	0.0	0.5	1.1	0.0	0.9	0.0	0.0	2.0	2.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	63.8	0.0	63.8	22.5	0.0	0.0	0.0	0.0	22.5	86.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	118.6	0.0	119.6	12.6	0.0	0.2	0.0	0.0	12.9	132.6
RP 6.03: MARKETING & COMPETITION	0.8	136.2	0.1	137.2	22.9	0.0	0.0	0.0	0.0	22.9	160.1
RP 7.01: MANMADE RESOURCES	5.5	0.0	0.0	5.5	8.5	0.0	0.9	0.0	0.0	9.4	14.9
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	30.7	0.0	0.0	30.7	58.4	0.0	3.0	1.4	4.9	67.8	98.6
RP 8.01: HUMAN NUTRITION	63.2	4.6	0.0	67.9	37.6	0.7	0.0	0.0	0.9	39.3	107.2
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.1	0.0	11.8	11.8
RP 8.03: FOOD SAFETY	28.9	2.1	0.0	31.0	20.8	0.0	0.0	2.4	1.1	24.3	55.4
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
GRAND TOTAL	724.2	408.2	82.8	1215.2	985.6	13.4	90.9	92.9	18.4	1201.2	2416.4

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY SOUTHERN REGION

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	37.9	0.0	0.0	37.9	82.4	2.4	0.0	0.0	0.0	84.9	122.8
RP 1.02:	WATER & WATERSHEDS	48.4	0.0	0.7	49.2	51.7	2.1	0.0	0.0	0.0	54.0	103.2
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 1.04:	ENVIRONMENTAL QUALITY	19.8	0.0	0.0	19.8	49.5	2.4	0.0	7.9	0.0	59.9	79.7
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	2.0	0.0	1.9	3.9	11.1	0.2	0.0	0.0	0.0	11.4	15.4
RP 1.06:	FISH & WILDLIFE	0.1	0.0	0.0	0.1	32.4	3.2	0.5	1.0	0.0	37.2	37.4
RP 1.07:	REMOTE SENSING	4.4	0.0	0.0	4.4	1.8	0.9	0.0	0.0	0.0	2.7	7.2
RP 1.08:	AQUATIC WEEDS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	17.8	17.8	9.1	0.0	1.6	0.0	0.0	10.7	28.5
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	63.1	63.1	62.5	1.9	5.5	0.0	0.0	69.9	133.1
RP 2.03:	FOREST PROTECTION	0.0	0.0	33.6	33.6	19.6	0.0	2.3	0.0	0.0	21.9	55.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	20.4	20.4	66.2	0.0	2.2	0.0	0.0	68.4	88.8
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	19.0	19.0	15.1	0.0	2.2	0.0	0.0	17.4	36.4
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	6.7	6.7	15.6	0.0	0.9	0.0	0.0	16.6	23.4
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.4	1.4	4.2	0.0	0.3	0.0	0.0	4.5	5.9
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.3	1.3	7.2	0.0	2.1	0.0	0.0	9.3	10.6
RP 2.09:	TECHNICAL ASSISTANCE	9.1	0.0	0.0	9.1	3.6	0.0	0.0	0.0	0.0	3.6	12.8
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	5.2	5.2	2.8	0.0	0.0	0.0	0.0	2.8	8.0
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.01:	CORN	38.7	0.0	0.0	38.7	42.9	1.9	0.0	0.0	0.2	45.1	83.8
RP 3.02:	GRAIN SORGHUM	8.8	0.0	0.0	8.8	35.9	0.3	0.0	0.0	0.0	36.3	45.1
RP 3.03:	WHEAT	19.8	0.0	0.0	19.8	46.5	0.5	0.0	0.0	0.0	47.1	66.9
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	2.1	0.0	0.0	2.1	11.5	0.5	0.0	0.0	0.0	12.0	14.2
RP 3.05:	RICE	12.3	0.0	0.0	12.3	35.9	0.0	0.0	0.0	0.0	35.9	48.3
RP 3.06:	SOYBEANS	47.9	0.0	0.0	47.9	101.4	11.9	0.0	0.0	1.0	114.4	162.4
RP 3.07:	PEANUTS	32.8	0.0	0.0	32.8	35.7	1.0	0.0	0.0	0.0	36.7	69.5
RP 3.08:	SUGAR	13.4	0.0	0.0	13.4	25.0	0.0	0.0	0.0	0.5	25.5	38.9
RP 3.09:	FORAGE, RANGE, & PASTURE	55.1	0.0	0.4	55.5	129.4	2.3	0.0	0.0	0.0	131.8	187.3
RP 3.10:	COTTON	149.4	0.0	0.0	149.4	79.7	0.0	0.0	0.0	0.0	79.7	229.1
RP 3.11:	TOBACCO	20.4	0.0	0.0	20.4	40.2	0.0	0.0	0.0	0.0	40.2	60.6
RP 3.12:	NEW CROPS & MINOR OILSEEDS	14.4	0.0	0.0	14.4	13.7	1.9	0.0	0.0	0.0	15.7	30.1
RP 3.13:	FRUIT	80.0	0.0	0.0	80.0	165.9	3.5	0.0	0.0	0.0	169.4	249.5
RP 3.14:	VEGETABLE CROPS	43.0	0.0	0.0	43.0	191.0	16.1	0.0	0.0	0.0	207.1	250.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.8	0.0	0.0	0.8	96.6	1.4	0.0	0.0	0.0	98.0	98.9
RP 3.16:	BEES & OTHER POLLINATING INSECTS	10.1	0.0	0.0	10.1	1.8	0.0	0.0	0.0	0.0	1.8	11.9
RP 3.17:	WEEDS IN CROPS	0.9	0.0	0.0	0.9	4.1	0.1	0.0	0.0	0.0	4.2	5.2

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY SOUTHERN REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.19: NONSPECIFIC PLANTS	15.8	0.0	0.0	15.8	59.4	0.0	0.0	0.0	1.7	61.2	77.1
RP 4.01: BEEF	44.6	0.0	0.0	44.6	151.9	1.9	0.0	15.5	1.4	170.8	215.4
RP 4.02: DAIRY	9.5	0.0	0.0	9.5	97.4	1.1	0.0	7.5	0.0	106.1	115.7
RP 4.03: POULTRY	26.7	0.0	0.0	26.7	93.4	2.0	0.0	14.3	0.7	110.4	137.1
RP 4.04: SHEEP	2.1	0.0	0.0	2.1	19.7	0.0	0.0	1.9	0.0	21.7	23.8
RP 4.05: SWINE	7.4	0.0	0.0	7.4	49.6	5.1	0.0	8.9	0.0	63.7	71.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.5	0.0	0.0	1.5	26.7	20.6	0.0	27.0	0.3	74.6	76.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	9.5	0.0	0.0	9.5	53.5	7.9	0.0	4.6	0.0	66.1	75.7
RP 4.08: NONSPECIFIC ANIMALS	0.3	0.0	0.0	0.3	19.0	0.4	0.0	14.7	1.2	35.3	35.7
RP 4.09: INVERTEBRATES	7.2	0.0	0.0	7.2	27.1	0.0	0.0	0.0	0.6	27.7	35.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	12.8	6.2	0.2	0.0	0.0	19.2	19.2
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	11.4	6.1	0.0	0.0	0.0	17.6	17.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.5	0.0	0.0	0.5	43.9	11.7	0.2	0.1	0.0	56.0	56.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	19.6	0.0	0.0	19.6	10.3	0.0	0.0	0.0	0.0	10.3	30.0
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	63.8	4.7	0.0	0.0	0.0	68.6	68.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	21.0	1.2	0.0	0.0	0.0	22.3	22.3
RP 6.03: MARKETING & COMPETITION	1.8	0.0	0.0	1.8	57.3	4.2	0.0	0.0	0.0	61.5	63.4
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.5	5.5	5.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	10.2	0.0	0.0	10.2	75.5	0.8	0.0	1.4	4.1	81.9	92.1
RP 8.01: HUMAN NUTRITION	0.8	0.0	0.0	0.8	33.2	9.5	0.0	0.0	0.5	43.3	44.1
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	4.4	0.4	0.0	0.0	0.0	4.8	4.8
RP 8.03: FOOD SAFETY	39.5	0.0	0.0	39.5	18.2	1.1	0.0	0.0	0.0	19.3	58.9
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	1.5	0.0	0.0	1.5	2.0	0.0	0.0	0.0	0.0	2.0	3.6
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 9.01: UNCLASSIFIED	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
GRAND TOTAL	875.9	0.0	171.9	1047.8	2464.2	141.1	18.4	105.3	14.8	2743.8	3791.6

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY NORTH CENTRAL REGION

		USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	32.2	0.0	0.0	32.2	92.6	0.1	0.0	0.0	1.0	93.7	126.0
RP 1.02: WATER & WATERSHEDS	11.0	0.0	0.0	11.0	33.0	0.0	0.0	0.0	0.0	33.0	44.0
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 1.04: ENVIRONMENTAL QUALITY	10.5	0.0	0.0	10.5	34.2	0.0	0.7	2.5	0.0	37.4	48.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.4	0.0	0.0	0.4	11.2	0.0	0.0	0.0	1.0	12.2	12.6
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	19.1	19.1
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	6.5	6.5	8.7	0.0	1.1	0.0	0.0	9.9	16.4
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	21.7	21.7	33.7	0.0	8.4	0.0	0.2	42.3	64.1
RP 2.03: FOREST PROTECTION	0.4	0.0	20.6	21.0	10.1	0.0	0.6	0.0	0.0	10.7	31.7
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	89.8	89.8	20.7	0.0	6.2	0.0	2.6	29.6	119.4
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.2	0.0	20.7	20.9	10.4	0.0	2.4	0.0	0.0	12.9	33.9
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	9.2	9.2	2.9	0.0	0.9	0.0	0.0	3.8	13.1
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	5.5	5.5	5.6	0.0	0.3	0.0	0.0	6.0	11.5
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	2.0	2.0	3.3	0.0	0.2	0.0	0.0	3.6	5.6
RP 2.09: TECHNICAL ASSISTANCE	3.5	0.0	0.0	3.5	8.0	0.0	0.0	0.0	0.0	8.0	11.5
RP 2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	1.8	0.0	0.0	1.8	1.1	0.0	0.0	0.0	0.0	1.1	2.9
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.01: CORN	99.3	0.0	0.0	99.3	101.3	0.0	0.0	0.0	0.3	101.6	201.0
RP 3.02: GRAIN SORGHUM	5.3	0.0	0.0	5.3	21.7	0.0	0.0	0.0	0.0	21.7	27.1
RP 3.03: WHEAT	53.4	0.0	0.0	53.4	77.3	0.0	0.0	0.0	0.2	77.5	130.9
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	11.4	0.0	0.0	11.4	31.9	0.0	0.0	0.0	0.6	32.5	43.9
RP 3.05: RICE	0.4	0.0	0.0	0.4	4.7	0.0	0.0	0.0	0.0	4.7	5.1
RP 3.06: SOYBEANS	73.8	0.0	0.0	73.8	80.8	0.8	0.0	0.0	0.0	81.6	155.5
RP 3.07: PEANUTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.08: SUGAR	7.6	0.0	0.0	7.6	6.0	0.0	0.0	0.0	0.0	6.0	13.7
RP 3.09: FORAGE, RANGE, & PASTURE	28.3	0.0	0.2	28.5	61.8	1.2	0.0	0.0	0.0	63.0	91.6
RP 3.10: COTTON	5.7	0.0	0.0	5.7	1.0	0.0	0.0	0.0	0.0	1.0	6.8
RP 3.11: TOBACCO	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.1	1.4	1.4
RP 3.12: NEW CROPS & MINOR OILSEEDS	17.3	0.0	0.0	17.3	19.8	0.0	0.0	0.0	0.0	19.8	37.1
RP 3.13: FRUIT	3.8	0.0	0.0	3.8	38.6	0.0	0.0	0.0	0.0	38.6	42.5
RP 3.14: VEGETABLE CROPS	18.0	0.0	0.0	18.0	81.5	2.3	0.0	0.0	0.5	84.4	102.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	2.9	0.0	0.0	2.9	38.0	0.0	0.0	0.0	0.0	38.0	40.9
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 3.17: WEEDS IN CROPS	4.4	0.0	0.0	4.4	3.7	0.0	0.0	0.0	0.0	3.7	8.2
RP 3.18: SEEDS	3.8	0.0	0.0	3.8	2.7	0.0	0.0	0.0	0.0	2.7	6.5

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY NORTH CENTRAL REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.19: NONSPECIFIC PLANTS	7.3	0.0	0.0	7.3	63.6	0.0	0.0	0.0	3.9	67.5	74.9
RP 4.01: BEEF	42.1	0.0	0.0	42.1	108.2	0.9	0.0	10.2	0.8	120.1	162.3
RP 4.02: DAIRY	31.0	0.0	0.0	31.0	84.6	0.0	0.0	13.2	0.0	97.9	129.0
RP 4.03: POULTRY	18.8	0.0	0.0	18.8	45.8	0.0	0.0	6.1	3.0	55.0	73.8
RP 4.04: SHEEP	8.0	0.0	0.0	8.0	22.2	1.3	0.0	2.0	0.0	25.6	33.7
RP 4.05: SWINE	36.9	0.0	0.0	36.9	85.2	0.9	0.0	22.9	1.5	110.5	147.5
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.2	0.0	0.0	0.2	11.9	0.0	0.0	24.3	0.3	36.6	36.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.7	0.0	3.2	3.2
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	36.9	0.0	0.0	44.8	0.0	81.8	81.8
RP 4.09: INVERTEBRATES	13.8	0.0	0.0	13.8	15.0	0.0	0.0	0.0	1.5	16.5	30.3
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	39.3	0.5	0.0	0.1	0.0	39.9	39.9
RP 5.02: LIVING ENVIRONMENT	0.1	0.0	0.0	0.1	9.2	0.2	0.0	0.0	0.0	9.4	9.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	37.4	0.0	0.0	0.0	0.0	37.4	37.4
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	1.0	1.0	2.4	0.0	0.0	0.0	0.0	2.4	3.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	55.1	0.4	0.0	0.2	0.0	55.7	55.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.5	0.0	0.0	0.5	30.3	0.0	0.0	0.0	0.0	30.3	30.9
RP 6.03: MARKETING & COMPETITION	3.2	0.0	0.0	3.2	52.3	0.8	0.0	0.0	0.0	53.1	56.4
RP 7.01: MANMADE RESOURCES	0.6	0.0	0.0	0.6	8.5	0.0	0.0	0.2	0.0	8.7	9.4
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	16.6	0.0	0.0	16.6	80.7	0.0	0.0	0.0	1.9	82.6	99.2
RP 8.01: HUMAN NUTRITION	20.7	0.0	0.0	20.7	42.9	5.4	0.0	0.0	0.5	48.8	69.6
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	2.4	16.0	16.0
RP 8.03: FOOD SAFETY	20.2	0.0	0.0	20.2	22.8	0.0	0.0	0.0	0.0	22.8	43.0
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.7	0.0	0.0	0.7	4.4	0.0	0.0	0.0	0.0	4.4	5.1
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
GRAND TOTAL	618.1	0.0	177.6	795.7	1761.7	15.2	21.2	127.6	22.5	1948.2	2743.9

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY WESTERN REGION

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	30.1	0.0	0.0	30.1	58.2	0.0	0.7	0.0	0.0	58.9	89.1
RP 1.02:	WATER & WATERSHEDS	52.2	0.0	0.0	52.2	71.3	0.0	6.7	0.0	1.0	79.0	131.2
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	6.2	0.0	1.3	0.0	0.0	7.5	7.5
RP 1.04:	ENVIRONMENTAL QUALITY	5.4	0.0	0.0	5.4	48.0	0.0	2.2	4.0	0.0	54.2	59.7
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	2.2	0.0	0.0	2.2	15.5	0.0	2.3	0.0	0.0	17.8	20.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	30.2	0.0	3.1	0.2	0.0	33.5	33.5
RP 1.07:	REMOTE SENSING	1.7	0.0	0.0	1.7	3.6	0.0	0.0	0.0	0.0	3.7	5.4
RP 1.08:	AQUATIC WEEDS	0.5	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	19.4	19.4	7.3	0.0	3.9	0.0	0.0	11.3	30.7
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	74.3	74.3	19.6	0.0	35.7	0.0	1.0	56.3	130.7
RP 2.03:	FOREST PROTECTION	0.0	0.0	84.4	84.4	14.7	0.0	4.1	0.0	0.2	19.0	103.4
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	22.7	22.7	14.0	0.0	27.2	0.0	0.6	41.8	64.5
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	43.0	43.0	9.3	0.0	12.0	0.0	0.0	21.4	64.4
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	39.0	39.0	9.6	0.0	9.2	0.0	0.0	18.9	57.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	9.4	9.4	2.5	0.0	2.9	0.0	0.0	5.4	14.8
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	12.0	12.0	5.2	0.0	1.4	0.0	0.0	6.6	18.7
RP 2.09:	TECHNICAL ASSISTANCE	2.3	0.0	0.0	2.3	4.8	0.0	0.0	0.0	0.0	4.8	7.1
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.7	0.0	0.2	0.0	0.0	0.9	0.9
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 3.01:	CORN	9.4	0.0	0.0	9.4	15.1	0.0	0.0	0.0	0.0	15.1	24.5
RP 3.02:	GRAIN SORGHUM	0.1	0.0	0.0	0.1	2.4	0.0	0.0	0.0	0.0	2.4	2.5
RP 3.03:	WHEAT	43.8	0.0	0.0	43.8	59.6	0.0	0.0	0.0	0.0	59.6	103.4
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	13.5	0.0	0.0	13.5	26.3	0.0	0.0	0.0	0.0	26.3	39.8
RP 3.05:	RICE	2.0	0.0	0.0	2.0	3.3	0.0	0.0	0.0	0.0	3.3	5.4
RP 3.06:	SOYBEANS	2.4	0.0	0.0	2.4	5.3	0.0	0.0	0.0	0.0	5.3	7.7
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.08:	SUGAR	14.0	0.0	0.0	14.0	5.5	0.0	0.0	0.0	0.0	5.5	19.5
RP 3.09:	FORAGE, RANGE, & PASTURE	76.9	0.0	0.0	77.0	97.8	0.0	0.3	0.0	0.0	98.1	175.1
RP 3.10:	COTTON	24.6	0.0	0.0	24.6	18.0	0.0	0.0	0.0	0.0	18.0	42.7
RP 3.11:	TOBACCO	0.7	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.4	1.2
RP 3.12:	NEW CROPS & MINOR OILSEEDS	11.1	0.0	0.0	11.1	33.4	0.0	0.0	0.0	0.0	33.4	44.6
RP 3.13:	FRUIT	76.5	0.0	0.0	76.5	125.8	0.0	0.1	0.0	0.0	125.9	202.5
RP 3.14:	VEGETABLE CROPS	55.9	0.0	0.0	55.9	121.7	0.0	0.0	0.0	3.8	125.5	181.4
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	1.9	0.0	0.0	1.9	44.2	0.0	0.0	0.0	0.0	44.2	46.2
RP 3.16:	BEES & OTHER POLLINATING INSECTS	10.5	0.0	0.0	10.5	5.9	0.0	0.0	0.0	0.0	5.9	16.4
RP 3.17:	WEEDS IN CROPS	1.7	0.0	0.0	1.7	1.9	0.0	0.0	0.0	0.0	1.9	3.6

TABLE V-B REGIONAL SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY WESTERN REGION

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	EPS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 3.18: SEEDS	1.6	0.0	0.0	1.6	9.8	0.0	0.0	0.0	0.0	9.8	11.5
RP 3.19: NONSPECIFIC PLANTS	17.1	0.0	0.0	17.1	81.1	0.0	1.0	0.0	4.6	86.8	103.9
RP 4.01: BEEF	24.3	0.0	0.0	24.3	89.4	0.0	0.0	49.1	0.1	138.7	163.0
RP 4.02: DAIRY	13.0	0.0	0.0	13.0	53.1	0.0	0.0	18.2	0.0	71.3	84.4
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	25.7	0.0	0.0	0.7	0.0	26.4	26.4
RP 4.04: SHEEP	16.0	0.0	0.0	16.0	31.5	0.0	0.0	14.1	0.0	45.7	61.7
RP 4.05: SWINE	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.9	0.2	7.7	7.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.8	0.0	0.0	1.8	16.6	0.0	0.0	18.1	0.0	34.8	36.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	1.0	0.0	0.0	1.0	24.4	0.0	0.0	0.9	0.0	25.3	26.3
RP 4.08: NONSPECIFIC ANIMALS	3.2	0.0	0.0	3.2	39.1	0.0	0.0	36.1	0.2	75.5	78.8
RP 4.09: INVERTEBRATES	1.6	0.0	0.0	1.6	33.8	0.0	0.0	0.0	1.2	35.0	36.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	45.6	0.0	0.0	0.0	0.0	45.6	45.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4	7.4
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	35.9	0.0	0.6	0.0	0.0	36.5	36.5
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	14.4	14.4
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	10.4	0.0	1.1	0.0	0.0	11.5	11.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	24.2	0.0	0.0	0.0	0.0	24.2	24.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	2.1	0.0	0.0	2.1	18.4	0.0	0.0	0.0	0.0	18.4	20.6
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	34.5	0.0	0.0	0.0	0.0	34.5	34.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	4.9	0.0	0.3	0.0	0.0	5.3	5.3
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	11.6	0.0	0.0	11.6	79.2	0.0	0.1	0.0	0.3	79.7	91.3
RP 8.01: HUMAN NUTRITION	20.1	0.0	0.0	20.1	40.1	0.0	0.0	0.4	0.0	40.5	60.6
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	10.4	10.4
RP 8.03: FOOD SAFETY	7.7	0.0	0.0	7.7	33.5	0.0	0.0	0.2	0.0	33.7	41.4
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	562.0	0.0	304.5	866.5	1664.4	0.0	117.1	143.3	13.2	1938.0	2804.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM SUMMARY

FRANCE

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.03: FOREST PROTECTION	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.03: WHEAT	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 3.13: FRUIT	1.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
GRAND TOTAL	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM SUMMARY

GUATEMALA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.03: FOREST PROTECTION	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.09: FORAGE, RANGE, & PASTURE	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.10: COTTON	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.13: FRUIT	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.14: VEGETABLE CROPS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 4.03: POULTRY	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM SUMMARY

ITALY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.09: TECHNICAL ASSISTANCE	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RP 3.09: FORAGE, RANGE, & PASTURE	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
GRAND TOTAL	4.4	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM SUMMARY

MEXICO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.01: BEEF	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
GRAND TOTAL	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM SUMMARY

NETHERLANDS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

FOREIGN

RESEARCH PROGRAM SUMMARY

SOUTH KOREA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 2.03: FOREST PROTECTION	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 3.13: FRUIT	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
GRAND TOTAL	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY CONNECTICUT

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	EPS/ ACS	FS	USDA TOTAL	CONN N HAV	CONN STORRS	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.4	0.4
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	8.2	0.7	0.0	0.0	0.0	8.9	8.9
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.9	0.9
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.4	0.4
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.2	2.0	2.0
RP 2.03:	FOREST PROTECTION	0.0	0.0	9.9	9.9	3.3	0.0	0.0	0.0	1.0	4.3	14.2
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.9	0.9
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.0	0.0	1.6	1.6
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.8	0.5	0.0	0.0	0.0	6.3	6.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.6	3.0	0.0	0.0	0.0	6.6	6.6
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	3.5	3.5
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	2.3	2.3
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.6
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.0	1.8	1.8
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.4	1.3	0.0	0.0	0.0	1.7	1.7
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP 7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.0	0.9	0.0	0.0	0.1	2.0	2.0
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6	1.6
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.1	0.3	0.0	0.0	0.0	1.4	1.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY CONNECTICUT

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	CONN N HAV	CONN STORRS	PRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.0	0.8	0.8
GRAND TOTAL	0.0	0.0	9.9	9.9	45.5	23.9	0.0	0.0	1.3	70.7	80.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY DELAWARE

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.1	1.7	0.0	0.0	0.0	1.8	1.8
RP 2.03:	FOREST PROTECTION	1.5	0.0	0.0	1.5	0.7	0.0	0.0	0.0	0.0	0.7	2.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.01:	CORN	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 3.03:	WHEAT	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.06:	SOYBEANS	0.3	0.0	0.0	0.3	1.5	0.0	0.0	0.0	0.0	1.5	1.8
RP 3.09:	FORAGE, RANGE, & PASTURE	0.3	0.0	0.0	0.3	0.1	1.0	0.0	0.0	0.0	1.1	1.4
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.14:	VEGETABLE CROPS	1.0	0.0	0.0	1.0	3.3	1.8	0.0	0.0	0.0	5.1	6.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.1	0.2	0.0	0.0	0.0	1.3	1.3
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.03:	POULTRY	5.7	0.0	0.0	5.7	6.7	0.0	0.0	0.0	0.0	6.7	12.4
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.09:	INVERTEBRATES	1.3	0.0	0.0	1.3	1.7	0.0	0.0	0.0	0.0	1.7	3.0
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.0	0.0	2.1	2.1
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL		10.6	0.0	0.0	10.6	31.9	5.7	0.0	0.0	0.0	37.6	48.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY DISTRICT OF COLUMBIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	23.5	0.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	23.5
RP 1.02: WATER & WATERSHEDS	0.0	15.0	0.0	15.0	0.1	0.0	0.0	0.0	0.0	0.1	15.1
RP 1.03: RECREATION	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.06: FISH & WILDLIFE	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	6.1	0.8	0.0	6.9	0.5	0.0	0.0	0.0	0.0	0.5	7.4
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	6.0	0.0	6.0	0.7	0.0	0.0	0.0	0.0	0.7	6.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	33.9	0.0	33.9	0.3	0.0	0.0	0.0	0.0	0.3	34.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	63.8	0.0	63.8	0.0	0.0	0.0	0.0	0.0	0.0	63.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	118.6	0.0	118.6	0.0	0.0	0.0	0.0	0.0	0.0	118.6
RP 6.03: MARKETING & COMPETITION	0.0	136.2	0.0	136.2	0.0	0.0	0.0	0.0	0.0	0.0	136.2
RP 8.01: HUMAN NUTRITION	0.1	4.6	0.0	4.7	1.0	0.0	0.0	0.0	0.0	1.0	5.7
RP 8.03: FOOD SAFETY	0.0	2.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
GRAND TOTAL	6.2	408.2	0.0	414.4	4.1	0.0	0.0	0.0	0.0	4.1	418.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY MAINE

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	4.2	4.2	4.4	0.0	0.0	0.0	0.0	4.4	8.6
RP 2.03:	FOREST PROTECTION	0.0	0.0	2.3	2.3	2.0	0.0	0.0	0.0	0.0	2.0	4.3
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.01:	CORN	0.5	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.9
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.09:	FORAGE, RANGE, & PASTURE	0.5	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	1.0
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 3.14:	VEGETABLE CROPS	2.4	0.0	0.0	2.4	10.1	0.0	0.0	0.0	0.0	10.1	12.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL		3.9	0.0	6.5	10.4	57.0	0.0	0.0	0.0	0.0	57.0	67.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY MARYLAND

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	6.1	0.0	0.0	6.1	4.1	0.0	0.0	0.0	0.0	4.1	10.2
RP 1.02: WATER & WATERSHEDS	4.9	0.0	0.0	4.9	2.1	0.0	0.0	0.0	0.0	2.1	7.1
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 1.04: ENVIRONMENTAL QUALITY	21.0	0.0	0.0	21.0	2.9	0.0	0.0	0.0	0.0	2.9	23.9
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.0	0.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.5	1.5
RP 1.07: REMOTE SENSING	8.8	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	8.8
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.03: FOREST PROTECTION	10.7	0.0	0.0	10.7	1.3	0.0	0.0	0.0	0.0	1.3	12.1
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.09: TECHNICAL ASSISTANCE	1.0	0.0	0.0	1.0	0.2	0.0	0.0	0.0	0.0	0.2	1.2
RP 3.01: CORN	6.3	0.0	0.0	6.3	1.6	0.0	0.0	0.0	0.0	1.6	7.9
RP 3.02: GRAIN SORGHUM	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.03: WHEAT	9.5	0.0	0.0	9.5	0.4	0.0	0.0	0.0	0.0	0.4	9.9
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	8.6	0.0	0.0	8.6	1.1	0.0	0.0	0.0	0.0	1.1	9.7
RP 3.05: RICE	2.1	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
RP 3.06: SOYBEANS	25.9	0.0	0.0	25.9	2.7	4.0	0.0	0.0	1.0	7.7	33.6
RP 3.07: PEANUTS	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.08: SUGAR	3.9	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	3.9
RP 3.09: FORAGE, RANGE, & PASTURE	10.8	0.0	0.0	10.8	2.3	0.0	0.0	0.0	0.0	2.3	13.2
RP 3.10: COTTON	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
RP 3.11: TOBACCO	2.4	0.0	0.0	2.4	2.4	0.0	0.0	0.0	0.0	2.4	4.8
RP 3.12: NEW CROPS & MINOR OILSEEDS	8.5	0.0	0.0	8.5	0.7	0.0	0.0	0.0	0.0	0.7	9.2
RP 3.13: FRUIT	22.6	0.0	0.0	22.6	4.2	0.0	0.0	0.0	0.0	4.2	26.8
RP 3.14: VEGETABLE CROPS	37.6	0.0	0.0	37.6	2.9	0.0	0.0	0.0	0.3	3.2	40.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	15.7	0.0	0.0	15.7	2.8	0.0	0.0	0.0	0.0	2.8	18.6
RP 3.16: BEES & OTHER POLLINATING INSECTS	6.5	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	6.5
RP 3.17: WEEDS IN CROPS	8.9	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	8.9
RP 3.18: SEEDS	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
RP 3.19: NONSPECIFIC PLANTS	25.1	0.0	0.0	25.1	3.5	0.0	0.0	0.0	0.7	4.2	29.3
RP 4.01: BEEF	10.5	0.0	0.0	10.5	3.7	0.1	0.0	0.0	0.0	3.8	14.3
RP 4.02: DAIRY	27.7	0.0	0.0	27.7	5.3	0.6	0.0	0.0	0.0	5.9	33.7
RP 4.03: POULTRY	17.0	0.0	0.0	17.0	7.3	0.0	0.0	0.0	0.4	7.7	24.8
RP 4.04: SHEEP	7.3	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	7.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY MARYLAND

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.05:	SWINE	20.2	0.0	0.0	20.2	1.8	0.0	0.0	0.0	0.0	1.8	22.0
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	6.4	0.0	0.0	6.4	1.3	0.0	0.0	0.0	0.0	1.3	7.7
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.8	0.8
RP 4.08:	NONSPECIFIC ANIMALS	1.2	0.0	0.0	1.2	0.1	0.0	0.0	0.0	0.6	0.7	1.9
RP 4.09:	INVERTEBRATES	34.2	0.0	0.0	34.2	0.8	0.0	0.0	0.0	1.0	1.8	36.0
RP 5.01:	INDIVIDUALS AND FAMILIES	4.2	0.0	0.0	4.2	0.0	0.4	0.0	0.0	0.0	0.4	4.7
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.2	0.0	0.0	0.2	1.3	0.4	0.0	0.0	0.0	1.7	1.9
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.9	0.0	0.0	0.9	0.6	0.0	0.0	0.0	0.0	0.6	1.5
RP 6.03:	MARKETING & COMPETITION	0.8	0.0	0.0	0.8	2.3	0.0	0.0	0.0	0.0	2.3	3.1
RP 7.01:	MANMADE RESOURCES	5.5	0.0	0.0	5.5	0.6	0.0	0.0	0.0	0.0	0.6	6.1
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	29.1	0.0	0.0	29.1	1.3	0.0	0.0	0.0	3.0	4.3	33.5
RP 8.01:	HUMAN NUTRITION	56.7	0.0	0.0	56.7	0.0	0.7	0.0	0.0	0.0	0.8	57.5
RP 8.03:	FOOD SAFETY	3.0	0.0	0.0	3.0	1.2	0.0	0.0	0.0	0.0	1.2	4.2
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL		480.1	0.0	0.0	480.1	68.3	7.7	0.0	0.0	7.0	83.0	563.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

REGION 1

RESEARCH PROGRAM SUMMARY

MASSACHUSETTS

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.2	0.2	2.8	0.0	0.0	0.0	0.0	2.8	3.1
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.5	2.6	2.6
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.2	1.5	1.5
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.2	2.8	2.8
RP 8.01:	HUMAN NUTRITION	3.2	0.0	0.0	3.2	2.4	0.0	0.0	0.0	0.6	3.0	6.2
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	1.1	2.9	2.9
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY MASSACHUSETTS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	PRSTPY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
GRAND TOTAL	3.2	0.0	3.2	6.4	45.1	0.0	0.0	0.0	3.6	48.7	55.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY NEW HAMPSHIRE

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	6.3	6.3	1.4	0.0	0.0	0.0	0.0	1.4	7.8
RP 2.03:	FOREST PROTECTION	0.0	0.0	1.0	1.0	0.8	0.0	0.0	0.0	0.1	0.9	1.9
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.9	4.9	1.3	0.0	0.0	0.0	0.0	1.3	6.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.6	0.6	1.2	0.0	0.0	0.0	0.0	1.2	1.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.7	1.8	1.8
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL		0.0	0.0	13.0	13.0	30.4	0.0	0.0	0.0	0.9	31.3	44.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY NEW JERSEY

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6	6.6
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0	9.8	9.8
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	10.3	10.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	1.6	1.6
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY NEW JERSEY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	0.0	0.0	0.0	0.0	98.4	0.0	0.0	0.0	0.6	99.0	99.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY NEW YORK

		USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	NY ITHACA	NY GENEVA	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	1.6	0.0	0.0	1.6	11.8	0.0	0.0	0.0	0.0	11.9	13.5
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	4.3	0.0	0.1	0.0	0.0	4.5	4.5
RP 1.04: ENVIRONMENTAL QUALITY	0.6	0.0	0.0	0.6	7.8	0.0	19.7	1.9	0.0	29.4	30.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.7	0.0	0.1	0.0	0.0	0.8	0.8
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	14.5	0.0	1.5	0.6	0.0	16.7	16.7
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	0.5	0.5
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.0	0.8	0.8
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.1	0.0	17.5	0.0	0.0	18.7	18.7
RP 2.03: FOREST PROTECTION	0.5	0.0	0.0	0.5	0.7	0.3	2.7	0.0	0.2	4.0	4.6
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	29.2	0.0	0.0	29.4	29.4
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.4	0.0	3.9	0.0	0.0	4.3	4.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.4
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.6	0.6
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	1.1	1.1	0.2	0.0	0.1	0.0	0.0	0.3	1.4
RP 2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	0.6
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.9	1.9
RP 3.01: CORN	0.4	0.0	0.0	0.4	5.1	0.0	0.0	0.0	0.0	5.1	5.6
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.03: WHEAT	1.5	0.0	0.0	1.5	1.1	0.1	0.0	0.0	0.0	1.2	2.8
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.8	0.0	0.0	0.8	4.5	0.3	0.0	0.0	0.0	4.8	5.6
RP 3.05: RICE	0.2	0.0	0.0	0.2	0.5	0.3	0.0	0.0	0.0	0.8	1.0
RP 3.06: SOYBEANS	2.0	0.0	0.0	2.0	1.6	0.0	0.0	0.0	0.0	1.6	3.6
RP 3.09: FORAGE, RANGE, & PASTURE	3.1	0.0	0.0	3.1	5.4	0.0	0.0	0.0	0.0	5.5	8.7
RP 3.11: TOBACCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.2	0.0	0.0	0.2	1.9	0.0	0.1	0.0	0.0	2.1	2.4
RP 3.13: FRUIT	1.3	0.0	0.0	1.3	3.5	27.3	0.0	0.0	0.0	30.8	32.2
RP 3.14: VEGETABLE CROPS	2.0	0.0	0.0	2.0	21.7	15.9	0.0	0.0	0.0	37.7	39.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.2	0.0	0.0	0.2	5.5	0.6	0.0	0.0	0.0	6.1	6.3
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	0.7	2.1	0.0	0.0	0.0	2.8	2.8
RP 3.19: NONSPECIFIC PLANTS	2.6	0.0	0.0	2.6	9.7	1.0	2.2	0.0	0.4	13.4	16.0
RP 4.01: BEEF	7.3	0.0	0.0	7.3	4.3	0.0	0.0	2.7	0.0	7.0	14.3
RP 4.02: DAIRY	7.0	0.0	0.0	7.0	16.3	0.0	0.0	3.8	0.0	20.2	27.2
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	9.2	0.0	0.0	4.6	0.0	13.8	13.8
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	2.1	0.0	0.0	4.1	0.0	6.2	6.2
RP 4.05: SWINE	8.7	0.0	0.0	8.7	0.9	0.0	0.0	1.8	0.0	2.7	11.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY NEW YORK

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	NY ITHACA	NY GENEVA	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.5	0.0	0.0	0.5	2.2	0.0	0.0	30.3	0.0	32.5	33.1
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	4.1	0.0	0.1	0.2	0.0	4.4	4.4
RP 4.08:	NONSPECIFIC ANIMALS	0.3	0.0	0.0	0.3	5.6	0.0	0.0	12.2	1.4	19.2	19.5
RP 4.09:	INVERTEBRATES	0.5	0.0	0.0	0.5	6.9	1.3	0.3	0.0	0.7	9.3	9.8
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	16.8	16.8
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	12.5	0.2	0.5	7.2	0.0	20.4	20.4
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.4	0.1	0.0	0.0	0.0	1.5	1.5
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	8.0
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.2	0.0	0.0	1.6	1.6
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	7.5	0.0	0.9	0.0	0.0	8.4	8.4
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.5	0.0	0.0	1.5	35.7	0.8	2.9	1.4	1.6	42.6	44.1
RP 8.01:	HUMAN NUTRITION	3.2	0.0	0.0	3.2	21.9	0.0	0.0	0.0	0.0	21.9	25.1
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.3	0.9	0.0	0.1	0.0	2.3	2.3
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	0.8	4.1	0.0	2.4	0.0	7.3	7.3
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
GRAND TOTAL		47.1	0.0	1.1	48.2	274.8	55.8	86.9	73.7	4.5	495.7	543.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY PENNSYLVANIA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	2.8	0.0	0.0	2.8	3.2	0.0	0.0	0.0	0.0	3.2	6.1
RP 1.02:	WATER & WATERSHEDS	4.9	0.0	0.0	4.9	0.6	0.0	0.0	0.0	0.0	0.6	5.6
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.04:	ENVIRONMENTAL QUALITY	3.6	0.0	0.0	3.6	9.8	0.0	0.0	0.0	0.0	9.8	13.4
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.4	0.0	3.3	3.3
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	8.0	8.0	4.0	0.0	0.0	0.0	0.0	4.0	12.0
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	1.4	1.4	5.7	0.0	0.0	0.0	0.0	5.7	7.1
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.1	0.1	2.9	0.0	0.0	0.0	0.0	2.9	3.0
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 3.01:	CORN	0.2	0.0	0.0	0.2	8.5	0.0	0.0	0.0	0.0	8.5	8.7
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	1.2	0.0	0.0	1.2	1.4	0.0	0.0	0.0	0.0	1.4	2.6
RP 3.06:	SOYBEANS	3.2	0.0	0.0	3.2	0.1	0.0	0.0	0.0	0.0	0.1	3.3
RP 3.09:	FORAGE, RANGE, & PASTURE	10.9	0.0	0.0	10.9	4.9	0.0	0.0	0.0	0.0	4.9	15.8
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13:	FRUIT	5.0	0.0	0.0	5.0	11.8	0.0	0.0	0.0	0.0	11.8	16.9
RP 3.14:	VEGETABLE CROPS	13.1	0.0	0.0	13.1	8.4	0.0	0.0	0.0	0.0	8.4	21.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 4.01:	BEEF	9.6	0.0	0.0	9.6	1.8	0.0	0.0	0.1	0.0	2.0	11.6
RP 4.02:	DAIRY	29.4	0.0	0.0	29.4	8.9	0.0	0.0	2.2	0.0	11.2	40.6
RP 4.03:	POULTRY	4.1	0.0	0.0	4.1	9.5	0.0	0.0	1.0	0.2	10.8	14.9
RP 4.04:	SHEEP	2.7	0.0	0.0	2.7	2.5	0.0	0.0	0.3	0.0	2.9	5.6
RP 4.05:	SWINE	1.0	0.0	0.0	1.0	4.7	0.0	0.0	0.1	0.0	4.8	5.9
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	14.1	0.0	14.2	14.2
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.6	0.0	2.5	2.5
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	8.8	8.8
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY PENNSYLVANIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.1	0.0	0.0	0.1	7.5	0.0	0.0	0.0	0.0	7.5	7.6
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.3	2.6	2.6
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 8.03: FOOD SAFETY	25.9	0.0	0.0	25.9	2.6	0.0	0.0	0.0	0.0	2.6	28.5
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	118.3	0.0	13.7	132.0	158.3	0.0	0.0	19.2	0.5	178.0	310.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY RHODE ISLAND

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.06: SOYBEANS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
GRAND TOTAL	0.0	0.0	0.0	0.0	29.4	0.0	0.0	0.0	0.0	29.4	29.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY VERMONT

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	1.0	1.0	0.6	0.0	0.4	0.0	0.0	1.0	2.0
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	1.3	0.0	0.6	0.0	0.0	1.9	1.9
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	3.0	3.0	0.0	0.0	0.5	0.0	0.0	0.5	3.5
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.3	4.3	0.8	0.0	0.6	0.0	0.0	1.4	5.7
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	3.1	3.1	0.0	0.0	0.5	0.0	0.0	0.5	3.6
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.9
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.1	0.1	0.6	0.0	0.0	0.0	0.0	0.6	0.7
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
GRAND TOTAL		0.0	0.0	11.7	11.7	22.6	0.0	4.0	0.0	0.0	26.6	38.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 1

RESEARCH PROGRAM SUMMARY WEST VIRGINIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	8.1	0.0	0.0	8.1	3.7	0.0	0.0	0.0	0.0	3.7	11.8
RP 1.02: WATER & WATERSHEDS	3.3	0.0	0.0	3.3	0.2	0.0	0.0	0.0	0.0	0.2	3.5
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	3.2	3.2	1.3	0.0	0.0	0.0	0.0	1.3	4.5
RP 2.03: FOREST PROTECTION	0.0	0.0	3.3	3.3	1.7	0.0	0.0	0.0	0.0	1.7	5.0
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	14.9	14.9	3.9	0.0	0.0	0.0	0.0	3.9	18.9
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.2	2.2	0.8	0.0	0.0	0.0	0.0	0.8	3.0
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 3.01: CORN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09: FORAGE, RANGE, & PASTURE	19.8	0.0	0.0	19.8	2.8	0.0	0.0	0.0	0.0	2.8	22.6
RP 3.13: FRUIT	21.4	0.0	0.0	21.4	5.3	0.0	0.0	0.0	0.0	5.3	26.7
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.01: BEEF	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 4.04: SHEEP	0.1	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.7	0.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	54.8	0.0	23.7	78.5	40.1	0.0	0.0	0.0	0.0	40.1	118.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY ALABAMA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	ALABAM TUSKEG	ALABAM NORMAL	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	7.3	0.0	0.0	7.3	3.1	0.2	0.0	0.0	0.0	3.3	10.6
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	5.0	5.0	6.3	0.0	0.6	0.0	0.0	6.9	11.9
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.1	2.1	6.7	0.0	0.0	0.0	0.0	6.7	8.8
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS — GENERAL	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 3.01:	CORN	0.8	0.0	0.0	0.8	1.4	0.0	0.0	0.0	0.0	1.4	2.3
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.0	0.6	0.6
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.5
RP 3.06:	SOYBEANS	1.3	0.0	0.0	1.3	4.9	0.0	3.1	0.0	0.0	8.1	9.5
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	3.8	0.0	0.2	0.0	0.0	4.1	4.1
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	2.4	0.0	0.2	0.0	0.0	2.7	2.7
RP 3.10:	COTTON	1.3	0.0	0.0	1.3	2.2	0.0	0.0	0.0	0.0	2.2	3.5
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.6	0.0	0.8	0.0	0.0	4.4	4.4
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.0	4.8	0.0	0.0	0.0	9.8	9.8
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 4.01:	BEEF	2.3	0.0	0.0	2.3	5.5	0.0	0.0	7.7	0.0	13.3	15.6
RP 4.02:	DAIRY	1.1	0.0	0.0	1.1	3.6	0.0	0.0	0.9	0.0	4.5	5.7
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	9.1	0.2	0.0	0.8	0.2	10.4	10.4
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.6	0.6
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	2.7	0.5	0.0	1.7	0.0	4.9	4.9
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.4	0.0	0.0	1.4	0.4	3.0	0.9	3.1	0.0	7.4	8.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY ALABAMA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	ALABAM TUSKEG	ALABAM NORMAL	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.1	0.0	0.0	0.1	12.2	0.0	0.0	0.6	0.0	12.8	12.9
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.8	0.2	0.0	0.0	0.0	1.0	1.0
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	1.5	1.5
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.9	0.8	0.9	0.0	0.0	4.7	4.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.7	0.0	0.3	0.0	0.0	5.0	5.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	1.2	0.0	0.0	2.3	2.3
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.5	0.0	0.2	0.0	0.0	3.7	3.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.5	0.7	0.6	0.0	0.0	2.8	2.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.0	0.0	1.1	1.1
GRAND TOTAL	16.0	0.0	7.1	23.1	122.7	10.6	12.3	15.1	0.2	160.9	184.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY ARKANSAS

		USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	6.4	6.4	5.5	0.0	0.0	0.0	0.0	5.5	11.9
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01: CORN	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.6	0.8
RP 3.05: RICE	1.8	0.0	0.0	1.8	7.8	0.0	0.0	0.0	0.0	7.8	9.6
RP 3.06: SOYBEANS	0.1	0.0	0.0	0.1	12.6	0.0	0.0	0.0	0.0	12.6	12.8
RP 3.07: PEANUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09: FORAGE, RANGE, & PASTURE	2.2	0.0	0.0	2.2	2.9	1.0	0.0	0.0	0.0	3.9	6.2
RP 3.10: COTTON	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	7.6	7.6
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	1.8	0.0	0.0	0.0	1.9	1.9
RP 3.13: FRUIT	1.5	0.0	0.0	1.5	2.5	0.0	0.0	0.0	0.0	2.5	4.1
RP 3.14: VEGETABLE CROPS	0.1	0.0	0.0	0.1	5.5	0.0	0.0	0.0	0.0	5.5	5.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.01: BEEF	0.7	0.0	0.0	0.7	8.0	0.0	0.0	0.0	0.0	8.0	8.8
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	8.8	1.0	0.0	0.0	0.0	9.8	9.8
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.7	2.7
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY ARKANSAS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.5	0.8	0.0	0.0	0.0	2.3	2.3
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.5	0.1	0.0	0.0	0.0	3.6	3.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.2	3.2
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	1.5	0.0	0.0	0.0	3.1	3.1
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	7.0	0.0	6.4	13.4	113.0	9.2	0.0	0.0	0.0	122.2	135.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY FLORIDA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.1	0.0	0.0	0.1	10.8	1.0	0.0	0.0	0.0	11.8	11.9
RP 1.02:	WATER & WATERSHEDS	5.9	0.0	0.0	5.9	9.3	2.0	0.0	0.0	0.0	11.3	17.2
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	11.9	11.9
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.3	0.0	0.0	0.3	1.9	0.0	0.0	0.0	0.0	1.9	2.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	2.3	1.0	0.0	0.5	0.0	3.8	3.8
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.08:	AQUATIC WEEDS	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	3.1	3.1	12.3	0.0	0.0	0.0	0.0	12.3	15.5
RP 2.03:	FOREST PROTECTION	0.0	0.0	3.6	3.6	3.0	0.0	0.0	0.0	0.0	3.0	6.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	1.4	1.4	2.8	0.0	0.0	0.0	0.0	2.8	4.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.1	1.1	8.4	0.0	0.0	0.0	0.0	8.4	9.5
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.01:	CORN	4.7	0.0	0.0	4.7	4.7	0.0	0.0	0.0	0.0	4.7	9.5
RP 3.02:	GRAIN SORGHUM	1.2	0.0	0.0	1.2	1.1	0.0	0.0	0.0	0.0	1.1	2.3
RP 3.03:	WHEAT	2.7	0.0	0.0	2.7	1.7	0.0	0.0	0.0	0.0	1.7	4.4
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	2.4	0.0	0.0	0.0	0.0	2.4	2.6
RP 3.05:	RICE	0.7	0.0	0.0	0.7	1.6	0.0	0.0	0.0	0.0	1.6	2.3
RP 3.06:	SOYBEANS	1.9	0.0	0.0	1.9	6.0	0.0	0.0	0.0	0.0	6.0	7.9
RP 3.07:	PEANUTS	1.0	0.0	0.0	1.0	5.1	0.7	0.0	0.0	0.0	5.8	6.9
RP 3.08:	SUGAR	4.2	0.0	0.0	4.2	2.9	0.0	0.0	0.0	0.0	2.9	7.1
RP 3.09:	FORAGE, RANGE, & PASTURE	5.8	0.0	0.0	5.8	22.3	0.0	0.0	0.0	0.0	22.3	28.1
RP 3.10:	COTTON	2.3	0.0	0.0	2.3	0.1	0.0	0.0	0.0	0.0	0.1	2.4
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.12:	NEW CROPS & MINOR OILSEEDS	1.4	0.0	0.0	1.4	1.9	0.0	0.0	0.0	0.0	1.9	3.3
RP 3.13:	FRUIT	41.9	0.0	0.0	41.9	73.9	0.0	0.0	0.0	0.0	73.9	115.8
RP 3.14:	VEGETABLE CROPS	3.1	0.0	0.0	3.1	51.5	1.0	0.0	0.0	0.0	52.5	55.7
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.5	0.0	0.0	0.5	25.7	0.0	0.0	0.0	0.0	25.7	26.3
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.19:	NONSPECIFIC PLANTS	5.4	0.0	0.0	5.4	12.0	0.0	0.0	0.0	0.9	12.9	18.3
RP 4.01:	BEEF	4.3	0.0	0.0	4.3	26.0	0.5	0.0	2.4	0.2	29.1	33.5
RP 4.02:	DAIRY	1.6	0.0	0.0	1.6	10.8	0.0	0.0	0.7	0.0	11.6	13.2
RP 4.03:	POULTRY	0.6	0.0	0.0	0.6	6.4	0.0	0.0	0.0	0.0	6.4	7.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY FLORIDA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.1	0.0	1.6	1.6
RP 4.05: SWINE	0.0	0.0	0.0	0.0	6.5	1.0	0.0	1.2	0.0	8.8	8.8
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.8	0.2	0.0	9.9	0.0	12.9	12.9
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.8	0.5	0.0	0.0	0.0	1.3	1.3
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	1.0	0.0	3.4	3.4
RP 4.09: INVERTEBRATES	5.1	0.0	0.0	5.1	8.3	0.0	0.0	0.0	0.5	8.8	14.0
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.5	0.0	0.0	0.5	5.3	0.8	0.0	0.0	0.0	6.1	6.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	19.1	0.0	0.0	19.1	1.2	0.0	0.0	0.0	0.0	1.2	20.3
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	9.9	9.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.3	0.0	0.0	2.3	8.0	0.0	0.0	0.0	0.0	8.0	10.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	8.9	0.2	0.0	0.0	0.0	9.1	9.1
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
GRAND TOTAL	117.8	0.0	9.3	127.1	398.4	9.0	0.0	16.1	1.6	425.1	552.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY GEORGIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	4.1	0.0	0.0	4.1	4.9	0.1	0.0	0.0	0.0	5.1	9.2
RP 1.02: WATER & WATERSHEDS	8.1	0.0	0.0	8.1	2.4	0.0	0.0	0.0	0.0	2.4	10.5
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 1.04: ENVIRONMENTAL QUALITY	2.7	0.0	0.0	2.7	2.6	0.0	0.0	3.4	0.0	6.0	8.7
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	1.9	1.9	2.0	0.2	0.0	0.0	0.0	2.2	4.2
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	10.7	10.7	4.1	0.0	0.0	0.0	0.0	4.1	14.8
RP 2.03: FOREST PROTECTION	0.0	0.0	15.0	15.0	0.2	0.0	0.0	0.0	0.0	0.2	15.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	7.3	7.3	4.9	0.0	0.0	0.0	0.0	4.9	12.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	3.9	3.9	1.2	0.0	0.0	0.0	0.0	1.2	5.2
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.09: TECHNICAL ASSISTANCE	0.7	0.0	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.1	0.8
RP 2.10: TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01: CORN	17.3	0.0	0.0	17.3	2.2	0.0	0.0	0.0	0.0	2.2	19.6
RP 3.02: GRAIN SORGHUM	1.6	0.0	0.0	1.6	3.9	0.0	0.0	0.0	0.0	3.9	5.6
RP 3.03: WHEAT	8.3	0.0	0.0	8.3	5.1	0.0	0.0	0.0	0.0	5.1	13.4
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.3	0.0	0.0	0.3	1.4	0.0	0.0	0.0	0.0	1.4	1.7
RP 3.05: RICE	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 3.06: SOYBEANS	2.3	0.0	0.0	2.3	5.9	0.1	0.0	0.0	1.0	7.0	9.3
RP 3.07: PEANUTS	14.4	0.0	0.0	14.4	9.3	0.0	0.0	0.0	0.0	9.3	23.7
RP 3.08: SUGAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09: FORAGE, RANGE, & PASTURE	13.7	0.0	0.0	13.7	9.1	0.2	0.0	0.0	0.0	9.3	23.0
RP 3.10: COTTON	3.2	0.0	0.0	3.2	2.8	0.0	0.0	0.0	0.0	2.8	6.1
RP 3.11: TOBACCO	5.5	0.0	0.0	5.5	1.3	0.0	0.0	0.0	0.0	1.3	6.8
RP 3.12: NEW CROPS & MINOR OILSEEDS	1.1	0.0	0.0	1.1	0.4	0.0	0.0	0.0	0.0	0.4	1.6
RP 3.13: FRUIT	20.3	0.0	0.0	20.3	15.3	0.3	0.0	0.0	0.0	15.7	36.1
RP 3.14: VEGETABLE CROPS	8.3	0.0	0.0	8.3	17.2	2.9	0.0	0.0	0.0	20.1	28.4
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.2	0.0	0.0	0.2	7.3	0.2	0.0	0.0	0.0	7.5	7.8
RP 3.16: BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.19: NONSPECIFIC PLANTS	2.9	0.0	0.0	2.9	10.5	0.0	0.0	0.0	0.3	10.9	13.8
RP 4.01: BEEF	0.9	0.0	0.0	0.9	10.0	0.0	0.0	1.3	0.0	11.3	12.2
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	5.9	0.0	0.0	2.7	0.0	8.6	8.6
RP 4.03: POULTRY	15.4	0.0	0.0	15.4	10.3	0.0	0.0	12.4	0.0	22.7	38.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY GEORGIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.04: SHEEP	1.0	0.0	0.0	1.0	0.5	0.0	0.0	0.8	0.0	1.3	2.3
RP 4.05: SWINE	4.0	0.0	0.0	4.0	6.7	0.0	0.0	3.9	0.0	10.6	14.6
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.1	0.0	0.0	0.1	0.0	1.8	0.0	4.0	0.0	5.8	5.9
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	2.8	0.0	3.9	3.9
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.6	0.0	2.4	2.4
RP 4.09: INVERTEBRATES	1.1	0.0	0.0	1.1	2.0	0.0	0.0	0.0	0.0	2.0	3.1
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	1.1	1.1
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.3	0.3	0.0	0.0	0.0	1.6	1.6
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	0.4	0.0	0.1	0.0	2.0	2.0
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.6	0.7	0.0	0.0	0.0	4.4	4.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	8.5	0.8	0.0	0.0	0.0	9.3	9.3
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.0	0.0	0.0	1.0	2.6	0.0	0.0	1.4	1.5	5.6	6.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.1	0.3	0.0	0.0	0.0	3.4	3.4
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
RP 8.03: FOOD SAFETY	24.1	0.0	0.0	24.1	5.0	0.0	0.0	0.0	0.0	5.0	29.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	1.5	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
RP 9.01: UNCLASSIFIED	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
GRAND TOTAL	168.0	0.0	40.3	208.3	185.7	9.5	0.0	34.7	2.9	232.8	441.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY KENTUCKY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.2	1.3	0.0	0.0	0.0	3.5	3.5
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.4	4.4	2.3	0.0	0.0	0.0	0.0	2.3	6.7
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01: CORN	0.0	0.0	0.0	0.0	3.7	1.8	0.0	0.0	0.0	5.5	5.5
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	0.9	0.3	0.0	0.0	0.0	1.2	1.2
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.06: SOYBEANS	0.0	0.0	0.0	0.0	6.1	0.6	0.0	0.0	0.0	6.7	6.7
RP 3.09: FORAGE, RANGE, & PASTURE	2.0	0.0	0.0	2.0	10.4	0.3	0.0	0.0	0.0	10.7	12.7
RP 3.11: TOBACCO	5.0	0.0	0.0	5.0	9.9	0.0	0.0	0.0	0.0	9.9	14.9
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	9.1	0.6	0.0	0.0	0.0	9.7	9.7
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.1	4.7	4.7
RP 4.01: BEEF	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	7.5
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.05: SWINE	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	9.2	9.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	3.2	3.2
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.6	1.2	0.0	0.0	0.0	2.9	2.9
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.6	1.0	0.0	0.0	0.0	1.7	1.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	6.6	1.0	0.0	0.0	0.0	7.6	7.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY KENTUCKY

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.5	5.3	5.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.1	0.5	0.0	0.0	0.0	1.6	1.6
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	7.0	0.0	4.4	11.4	122.1	13.2	0.0	0.0	0.7	136.0	147.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY LOUISIANA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.7	0.0	0.0	0.7	5.6	0.0	0.0	0.0	0.0	5.6	6.4
RP 1.02: WATER & WATERSHEDS	1.7	0.0	0.7	2.5	0.9	0.0	0.0	0.0	0.0	0.9	3.4
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.04: ENVIRONMENTAL QUALITY	3.6	0.0	0.0	3.6	2.1	0.0	0.0	0.0	0.0	2.1	5.8
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.5	0.0	3.7	3.7
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.4	0.0	0.0	1.0	1.0
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	8.7	8.7	4.6	0.0	1.1	0.0	0.0	5.7	14.4
RP 2.03: FOREST PROTECTION	0.0	0.0	5.1	5.1	1.2	0.0	0.5	0.0	0.0	1.7	6.8
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	8.9	8.9	5.1	0.0	0.4	0.0	0.0	5.5	14.4
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.6	0.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.4	0.4	1.1	0.0	0.0	0.0	0.0	1.1	1.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.2	0.2	2.9	0.0	0.0	0.0	0.0	2.9	3.1
RP 2.09: TECHNICAL ASSISTANCE	2.4	0.0	0.0	2.4	0.2	0.0	0.0	0.0	0.0	0.2	2.6
RP 3.01: CORN	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.02: GRAIN SORGHUM	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 3.03: WHEAT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.05: RICE	2.5	0.0	0.0	2.5	14.7	0.0	0.0	0.0	0.0	14.7	17.2
RP 3.06: SOYBEANS	13.0	0.0	0.0	13.0	14.1	0.0	0.0	0.0	0.0	14.1	27.2
RP 3.07: PEANUTS	2.8	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
RP 3.08: SUGAR	8.0	0.0	0.0	8.0	7.5	0.0	0.0	0.0	0.0	7.5	15.5
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.4	0.4	14.7	0.0	0.0	0.0	0.0	14.7	15.1
RP 3.10: COTTON	50.8	0.0	0.0	50.8	10.2	0.0	0.0	0.0	0.0	10.2	61.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 3.13: FRUIT	0.7	0.0	0.0	0.7	8.6	1.6	0.0	0.0	0.0	10.2	10.9
RP 3.14: VEGETABLE CROPS	0.1	0.0	0.0	0.1	16.8	0.6	0.0	0.0	0.0	17.4	17.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 3.16: BEES & OTHER POLLINATING INSECTS	6.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
RP 3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19: NONSPECIFIC PLANTS	1.1	0.0	0.0	1.1	2.2	0.0	0.0	0.0	0.0	2.2	3.3
RP 4.01: BEEF	2.3	0.0	0.0	2.3	15.8	0.0	0.0	2.9	0.0	18.8	21.1
RP 4.02: DAIRY	2.4	0.0	0.0	2.4	14.0	0.0	0.0	2.1	0.0	16.2	18.6
RP 4.03: POULTRY	0.3	0.0	0.0	0.3	5.6	0.0	0.0	1.0	0.0	6.6	7.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY LOUISIANA

		USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.04: SHEEP	0.2	0.0	0.0	0.2	0.3	0.0	0.0	0.8	0.0	1.1	1.3
RP 4.05: SWINE	0.0	0.0	0.0	0.0	1.3	0.6	0.0	1.3	0.0	3.2	3.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.3	1.0	0.0	4.8	0.3	8.5	8.5
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	5.9	0.0	0.0	5.9	9.3	0.0	0.0	0.7	0.0	10.0	16.0
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.2	0.6	0.0	0.0	0.0	2.8	2.8
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	7.1	7.1
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.2	1.3	0.0	0.0	0.0	5.5	5.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.6	0.0	0.0	0.6	3.0	0.0	0.0	0.0	0.0	3.0	3.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.7	1.1	0.0	0.0	0.0	3.8	3.8
RP 8.03: FOOD SAFETY	12.0	0.0	0.0	12.0	0.2	0.0	0.0	0.0	0.0	0.2	12.2
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	117.7	0.0	24.5	142.2	214.7	6.8	2.8	14.4	0.3	239.0	381.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY MISSISSIPPI

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	7.0	0.0	0.0	7.0	4.6	0.0	0.0	0.0	0.0	4.6	11.7
RP 1.02:	WATER & WATERSHEDS	10.6	0.0	0.0	10.6	0.8	0.0	0.0	0.0	0.0	0.8	11.5
RP 1.04:	ENVIRONMENTAL QUALITY	3.1	0.0	0.0	3.1	5.8	0.4	0.0	0.0	0.0	6.2	9.4
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.7	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	5.8	5.8	3.0	0.0	0.0	0.0	0.0	3.0	8.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	9.1	9.1	4.1	0.0	0.0	0.0	0.0	4.1	13.2
RP 2.03:	FOREST PROTECTION	0.0	0.0	8.1	8.1	1.9	0.0	0.0	0.0	0.0	1.9	10.0
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	25.8	0.0	0.0	0.0	0.0	25.8	25.8
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	5.1	5.1	0.2	0.0	0.0	0.0	0.0	0.2	5.3
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.09:	TECHNICAL ASSISTANCE	5.6	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	5.6
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS — GENERAL	0.0	0.0	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2
RP 3.01:	CORN	5.4	0.0	0.0	5.4	1.2	0.0	0.0	0.0	0.0	1.2	6.7
RP 3.02:	GRAIN SORGHUM	0.2	0.0	0.0	0.2	7.8	0.0	0.0	0.0	0.0	7.8	8.0
RP 3.03:	WHEAT	1.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0	2.0	3.0
RP 3.05:	RICE	0.4	0.0	0.0	0.4	5.2	0.0	0.0	0.0	0.0	5.2	5.7
RP 3.06:	SOYBEANS	17.9	0.0	0.0	17.9	13.7	0.1	0.0	0.0	0.0	13.8	31.7
RP 3.09:	FORAGE, RANGE, & PASTURE	8.3	0.0	0.0	8.3	6.6	0.4	0.0	0.0	0.0	7.0	15.3
RP 3.10:	COTTON	47.0	0.0	0.0	47.0	18.1	0.0	0.0	0.0	0.0	18.1	65.2
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.2	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.5	0.7
RP 3.13:	FRUIT	5.0	0.0	0.0	5.0	6.6	0.8	0.0	0.0	0.0	7.4	12.4
RP 3.14:	VEGETABLE CROPS	0.6	0.0	0.0	0.6	6.0	0.6	0.0	0.0	0.0	6.6	7.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 4.01:	BEEF	0.2	0.0	0.0	0.2	8.4	0.4	0.0	0.0	0.0	8.8	9.0
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	5.8	1.0	0.0	0.0	0.0	6.8	6.8
RP 4.03:	POULTRY	4.0	0.0	0.0	4.0	12.8	0.5	0.0	0.0	0.0	13.3	17.3
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	2.0	0.0	0.0	2.0	18.0	0.0	0.0	0.0	0.0	18.0	20.0
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY MISSISSIPPI

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.6	0.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.8	0.6	0.0	0.0	0.0	1.4	1.4
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.3	1.0	0.0	0.0	0.0	5.4	5.4
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.7	0.2	0.0	0.0	0.0	3.9	3.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.0	2.4	2.4
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.5	0.5
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
GRAND TOTAL	120.9	0.0	33.3	154.2	202.4	7.1	0.0	0.0	3.5	213.0	367.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY NORTH CAROLINA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	6.3	0.5	0.0	0.0	0.0	6.8	6.8
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.9	0.1	0.0	0.0	0.0	2.0	2.0
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.04:	ENVIRONMENTAL QUALITY	6.0	0.0	0.0	6.0	6.1	0.0	0.0	0.0	0.0	6.1	12.1
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	12.0	12.0	0.1	0.0	0.0	0.0	0.0	0.1	12.1
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	8.9	8.9	11.7	0.0	0.0	0.0	0.0	11.7	20.7
RP 2.03:	FOREST PROTECTION	0.0	0.0	1.8	1.8	3.1	0.0	0.0	0.0	0.0	3.1	5.0
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.1	2.1	9.8	0.0	0.0	0.0	0.0	9.8	11.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	3.7	3.7	2.1	0.0	0.0	0.0	0.0	2.1	5.8
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.1	1.1	1.3	0.0	0.0	0.0	0.0	1.3	2.4
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	4.7	0.0	0.0	4.7	10.9	0.1	0.0	0.0	0.2	11.2	15.9
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.03:	WHEAT	0.7	0.0	0.0	0.7	1.0	0.0	0.0	0.0	0.0	1.0	1.8
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.7	0.0	0.0	0.7	0.5	0.0	0.0	0.0	0.0	0.5	1.2
RP 3.05:	RICE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.06:	SOYBEANS	6.8	0.0	0.0	6.8	7.6	0.9	0.0	0.0	0.0	8.5	15.3
RP 3.07:	PEANUTS	5.2	0.0	0.0	5.2	5.2	0.0	0.0	0.0	0.0	5.2	10.4
RP 3.09:	FORAGE, RANGE, & PASTURE	1.4	0.0	0.0	1.4	3.1	0.0	0.0	0.0	0.0	3.1	4.5
RP 3.10:	COTTON	0.2	0.0	0.0	0.2	1.9	0.0	0.0	0.0	0.0	1.9	2.1
RP 3.11:	TOBACCO	9.9	0.0	0.0	9.9	17.7	0.0	0.0	0.0	0.0	17.7	27.6
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.13:	FRUIT	0.6	0.0	0.0	0.6	12.8	0.0	0.0	0.0	0.0	12.8	13.4
RP 3.14:	VEGETABLE CROPS	4.7	0.0	0.0	4.7	15.4	0.5	0.0	0.0	0.0	15.9	20.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	7.6	7.6
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.17:	WEEDS IN CROPS	0.9	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.0	1.3	2.2
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.19:	NONSPECIFIC PLANTS	0.5	0.0	0.0	0.5	7.5	0.0	0.0	0.0	0.0	7.5	8.1
RP 4.01:	BEEF	0.3	0.0	0.0	0.3	5.1	0.6	0.0	0.0	0.0	5.7	6.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

REGION 2

RESEARCH PROGRAM SUMMARY

NORTH CAROLINA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.02: DAIRY	0.2	0.0	0.0	0.2	8.5	0.1	0.0	0.0	0.0	8.6	8.9
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	14.4	14.4
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.05: SWINE	0.0	0.0	0.0	0.0	6.5	1.0	0.0	0.0	0.0	7.5	7.5
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.7	0.2	0.0	0.0	1.0	5.9	5.9
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	6.9	6.9
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.6	1.3	0.0	0.0	0.0	3.9	3.9
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.8	0.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.7	1.1	0.0	0.0	0.0	3.8	3.8
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.5	0.9	0.0	0.0	0.0	6.4	6.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	7.8	7.8
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.7	0.8	0.0	0.0	0.0	4.5	4.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	4.1	0.0	0.0	4.1	14.9	0.0	0.0	0.0	0.0	14.9	19.1
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.8	1.1	0.0	0.0	0.0	3.9	3.9
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.8	0.6	0.0	0.0	0.0	3.4	3.4
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
GRAND TOTAL	47.4	0.0	29.7	77.1	242.1	10.3	0.0	0.0	1.2	253.6	330.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY OKLAHOMA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	3.5	0.0	0.0	3.5	5.3	0.1	0.0	0.0	0.0	5.4	9.0
RP 1.02:	WATER & WATERSHEDS	7.4	0.0	0.0	7.4	4.3	0.0	0.0	0.0	0.0	4.3	11.8
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.04:	ENVIRONMENTAL QUALITY	4.2	0.0	0.0	4.2	2.0	0.0	0.0	0.0	0.0	2.0	6.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 1.06:	FISH & WILDLIFE	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 1.07:	REMOTE SENSING	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.02:	GRAIN SORGHUM	0.6	0.0	0.0	0.6	1.5	0.1	0.0	0.0	0.0	1.6	2.2
RP 3.03:	WHEAT	6.0	0.0	0.0	6.0	11.7	0.1	0.0	0.0	0.0	11.8	17.9
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.4	0.0	0.0	0.4	0.9	0.0	0.0	0.0	0.0	0.9	1.3
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	2.1	1.1	0.0	0.0	0.0	3.2	3.2
RP 3.07:	PEANUTS	3.0	0.0	0.0	3.0	1.1	0.0	0.0	0.0	0.0	1.1	4.1
RP 3.09:	FORAGE, RANGE, & PASTURE	7.8	0.0	0.0	7.8	9.1	0.1	0.0	0.0	0.0	9.2	17.0
RP 3.10:	COTTON	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 3.12:	NEW CROPS & MINOR OILSEEDS	1.0	0.0	0.0	1.0	0.2	0.0	0.0	0.0	0.0	0.2	1.2
RP 3.13:	FRUIT	0.5	0.0	0.0	0.5	1.8	0.0	0.0	0.0	0.0	1.8	2.3
RP 3.14:	VEGETABLE CROPS	3.8	0.0	0.0	3.8	9.3	0.0	0.0	0.0	0.0	9.3	13.1
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.2	4.1	4.1
RP 4.01:	BEEF	5.6	0.0	0.0	5.6	16.2	0.0	0.0	0.0	0.0	16.2	21.8
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 4.04:	SHEEP	0.9	0.0	0.0	0.9	2.4	0.0	0.0	0.0	0.0	2.4	3.3
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.9	3.9	0.0	0.0	0.0	6.8	6.8
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	1.5	0.0	0.0	1.5	0.0	1.5	0.0	0.0	0.0	1.5	3.0
RP 4.08:	NONSPECIFIC ANIMALS	0.3	0.0	0.0	0.3	0.7	0.0	0.0	0.0	0.0	0.7	1.0
RP 4.09:	INVERTEBRATES	0.2	0.0	0.0	0.2	1.7	0.0	0.0	0.0	0.0	1.7	1.9
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY OKLAHOMA

	USDA				OTHER INSTITUTIONS					
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	8.0
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 8.03: FOOD SAFETY	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
GRAND TOTAL	48.0	0.0	0.0	48.0	121.5	6.9	0.0	0.0	0.2	128.6	176.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

REGION 2

RESEARCH PROGRAM SUMMARY

PUERTO RICO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	2.2	0.0	0.0	2.2	1.0	0.0	0.0	0.0	0.0	1.0	3.2
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.8
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
RP 3.01: CORN	2.6	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
RP 3.02: GRAIN SORGHUM	2.6	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.05: RICE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.9
RP 3.06: SOYBEANS	2.3	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
RP 3.07: PEANUTS	2.3	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
RP 3.08: SUGAR	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	9.4	9.4
RP 3.09: FORAGE, RANGE, & PASTURE	0.1	0.0	0.0	0.1	4.7	0.0	0.0	0.0	0.0	4.7	4.8
RP 3.12: NEW CROPS & MINOR OILSEEDS	7.1	0.0	0.0	7.1	3.6	0.0	0.0	0.0	0.0	3.6	10.8
RP 3.13: FRUIT	0.4	0.0	0.0	0.4	9.2	0.0	0.0	0.0	0.0	9.2	9.6
RP 3.14: VEGETABLE CROPS	4.6	0.0	0.0	4.6	15.5	0.0	0.0	0.0	0.0	15.5	20.2
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 4.01: BEEF	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	24.7	0.0	4.7	29.4	57.6	0.0	0.0	0.0	0.0	57.6	87.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

REGION 2

RESEARCH PROGRAM SUMMARY

SOUTH CAROLINA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	1.5	0.0	0.0	1.5	2.5	0.0	0.0	0.0	0.0	2.5	4.0
RP 1.02:	WATER & WATERSHEDS	4.0	0.0	0.0	4.0	1.2	0.0	0.0	0.0	0.0	1.2	5.2
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.4	0.4
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.3	0.0	0.3	0.0	0.0	1.6	1.6
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	4.9	4.9	0.0	0.0	3.4	0.0	0.0	3.4	8.3
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.9
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	1.6
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	1.6
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.3	3.3	0.0	0.0	0.9	0.0	0.0	1.0	4.3
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	1.8
RP 3.01:	CORN	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.06:	SOYBEANS	1.0	0.0	0.0	1.0	6.8	0.0	0.0	0.0	0.0	6.8	7.8
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 3.10:	COTTON	11.8	0.0	0.0	11.8	3.1	0.0	0.0	0.0	0.0	3.1	15.0
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0	8.4	8.4
RP 3.14:	VEGETABLE CROPS	12.9	0.0	0.0	12.9	8.7	0.5	0.0	0.0	0.0	9.2	22.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	0.9	0.0	0.0	0.9	6.9	0.0	0.0	0.0	0.0	6.9	7.9
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY SOUTH CAROLINA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.1	0.5	0.2	0.0	0.0	0.8	0.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.4	4.7	0.2	0.0	0.0	6.3	6.3
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.7	1.7	0.0	0.0	0.0	3.4	3.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.03: MARKETING & COMPETITION	0.6	0.0	0.0	0.6	3.5	0.0	0.0	0.0	0.0	3.5	4.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.2	0.6	0.0	0.0	0.0	4.8	4.8
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.1	1.7	1.7
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	33.0	0.0	8.2	41.2	94.4	8.2	11.8	0.0	0.1	114.5	155.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY TENNESSEE

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	6.3	0.4	0.0	0.0	0.0	6.7	6.7
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.4	0.1	0.0	0.0	0.0	1.5	1.5
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	2.7	2.7	3.0	0.0	0.0	0.0	0.0	3.0	5.7
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01:	CORN	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.06:	SOYBEANS	1.0	0.0	0.0	1.0	7.1	2.0	0.0	0.0	0.0	9.1	10.1
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0	9.0
RP 3.10:	COTTON	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	7.5	0.6	0.0	0.0	0.0	8.1	8.1
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	6.6	1.2	0.0	0.0	0.0	7.8	7.8
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	7.9	0.4	0.0	0.0	0.5	8.8	8.8
RP 4.02:	DAIRY	1.8	0.0	0.0	1.8	10.4	0.0	0.0	0.0	0.0	10.4	12.2
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	3.7	0.2	0.0	0.0	0.0	3.9	3.9
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.3	0.8	0.0	0.0	0.0	1.1	1.1
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY TENNESSEE

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	1.4
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.7	0.6	0.0	0.0	0.0	2.3	2.3
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.3	0.1	0.0	0.0	0.0	2.4	2.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.5	0.9	0.0	0.0	0.0	3.4	3.4
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.1	0.2	0.0	0.0	0.0	5.4	5.4
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.8	0.3	0.0	0.0	0.2	3.3	3.3
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
GRAND TOTAL	2.8	0.0	2.7	5.5	117.9	9.6	0.0	0.0	0.8	128.3	133.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY TEXAS

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	11.3	0.0	0.0	11.3	10.3	0.0	0.0	0.0	0.0	10.4	21.7
RP 1.02:	WATER & WATERSHEDS	10.4	0.0	0.0	10.4	15.4	0.0	0.0	0.0	0.0	15.4	25.9
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.7	1.7	0.0	4.5	0.0	10.0	10.0
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.7	0.0	0.2	0.0	0.0	3.9	3.9
RP 1.07:	REMOTE SENSING	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.9	0.0	0.0	1.6	1.6
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.8	0.0	0.9	0.0	0.0	3.7	3.7
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	1.0	0.0	0.8	0.0	0.0	1.8	1.8
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.2	0.0	0.2	0.0	0.0	1.4	1.4
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.9	0.0	0.2	0.0	0.0	1.2	1.2
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.5	0.5
RP 2.09:	TECHNICAL ASSISTANCE	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS — GENERAL	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.01:	CORN	2.9	0.0	0.0	2.9	5.7	0.0	0.0	0.0	0.0	5.7	8.6
RP 3.02:	GRAIN SORGHUM	2.3	0.0	0.0	2.3	15.9	0.0	0.0	0.0	0.0	15.9	18.2
RP 3.03:	WHEAT	0.9	0.0	0.0	0.9	9.0	0.0	0.0	0.0	0.0	9.0	9.9
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 3.05:	RICE	5.9	0.0	0.0	5.9	5.1	0.0	0.0	0.0	0.0	5.1	11.0
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	6.7	6.7
RP 3.08:	SUGAR	1.2	0.0	0.0	1.2	4.7	0.0	0.0	0.0	0.0	4.7	5.9
RP 3.09:	FORAGE, RANGE, & PASTURE	13.4	0.0	0.0	13.4	27.3	0.0	0.0	0.0	0.0	27.3	40.8
RP 3.10:	COTTON	32.5	0.0	0.0	32.5	24.2	0.0	0.0	0.0	0.0	24.2	56.8
RP 3.12:	NEW CROPS & MINOR OILSEEDS	3.3	0.0	0.0	3.3	2.5	0.0	0.0	0.0	0.0	2.5	5.8
RP 3.13:	FRUIT	8.9	0.0	0.0	8.9	9.0	0.0	0.0	0.0	0.0	9.0	17.9
RP 3.14:	VEGETABLE CROPS	4.4	0.0	0.0	4.4	14.7	0.0	0.0	0.0	0.0	14.7	19.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	12.0	12.1
RP 3.16:	BEES & OTHER POLLINATING INSECTS	4.1	0.0	0.0	4.1	0.1	0.0	0.0	0.0	0.0	0.1	4.2
RP 3.19:	NONSPECIFIC PLANTS	4.7	0.0	0.0	4.7	1.3	0.0	0.0	0.0	0.2	1.5	6.3
RP 4.01:	BEEF	27.4	0.0	0.0	27.4	24.3	0.0	0.0	1.1	0.7	26.2	53.6
RP 4.02:	DAIRY	2.3	0.0	0.0	2.3	9.3	0.0	0.0	0.9	0.0	10.2	12.5
RP 4.03:	POULTRY	6.2	0.0	0.0	6.2	7.2	0.0	0.0	0.0	0.5	7.7	13.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY TEXAS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 4.05: SWINE	3.4	0.0	0.0	3.4	2.0	0.0	0.0	0.7	0.0	2.8	6.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	4.8	9.0	0.0	5.0	0.0	18.8	18.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.5	0.0	4.0	4.0
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.2	0.2	0.0	12.0	0.2	13.7	13.7
RP 4.09: INVERTEBRATES	0.7	0.0	0.0	0.7	1.2	0.0	0.0	0.0	0.0	1.2	2.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.5	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.7
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	8.1	8.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 6.03: MARKETING & COMPETITION	1.2	0.0	0.0	1.2	7.1	1.0	0.0	0.0	0.0	8.1	9.3
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.0	0.0	0.0	2.0	13.5	0.0	0.0	0.0	1.0	14.5	16.6
RP 8.01: HUMAN NUTRITION	0.8	0.0	0.0	0.8	4.7	0.8	0.0	0.0	0.2	5.7	6.5
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 8.03: FOOD SAFETY	3.2	0.0	0.0	3.2	0.9	0.0	0.0	0.0	0.0	0.9	4.1
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 9.01: UNCLASSIFIED	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
GRAND TOTAL	161.4	0.0	1.3	162.7	291.7	13.6	3.8	25.0	2.8	336.9	499.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

REGION 2

RESEARCH PROGRAM SUMMARY

VIRGIN ISLANDS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01: CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.02: GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.05: RICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
GRAND TOTAL	0.2	0.0	0.0	0.2	5.4	0.0	0.0	0.0	0.0	5.4	5.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY VIRGINIA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	11.9	11.9
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	7.1	1.5	0.0	0.0	0.0	8.6	8.6
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	8.7	3.9	0.0	0.0	0.0	12.6	12.6
RP 3.07:	PEANUTS	3.9	0.0	0.0	3.9	4.0	0.0	0.0	0.0	0.0	4.0	8.0
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.7	0.7
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 3.10:	COTTON	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	7.0
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	6.6	3.9	0.0	0.0	0.0	10.5	10.5
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	9.6	9.6
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	10.8	10.8
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	9.6	9.6
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	7.3	7.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 2

RESEARCH PROGRAM SUMMARY VIRGINIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 4.05: SWINE	0.0	0.0	0.0	0.0	9.1	2.0	0.0	0.0	0.0	11.1	11.1
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.9
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.6	0.7	0.0	0.0	0.0	2.3	2.3
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	10.9	10.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.9	1.9
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
GRAND TOTAL	4.0	0.0	0.0	4.0	174.6	14.8	0.0	0.0	0.5	189.9	193.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY ILLINOIS

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.4	0.0	0.0	0.4	12.9	0.0	0.0	0.0	0.0	12.9	13.3
RP 1.02:	WATER & WATERSHEDS	1.4	0.0	0.0	1.4	2.4	0.0	0.0	0.0	0.0	2.4	3.8
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.1	0.0	0.1	2.5	0.0	5.7	5.7
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.7	0.7
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	2.5	2.5	2.6	0.0	2.2	0.0	0.0	4.9	7.4
RP 2.03:	FOREST PROTECTION	0.0	0.0	1.7	1.7	2.3	0.0	0.0	0.0	0.0	2.3	4.0
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.6	2.6	4.5	0.0	0.5	0.0	0.0	5.0	7.6
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.2	2.2	1.6	0.0	1.0	0.0	0.0	2.6	4.8
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.2	2.2	0.2	0.0	0.2	0.0	0.0	0.4	2.6
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01:	CORN	50.5	0.0	0.0	50.5	18.5	0.0	0.0	0.0	0.3	18.8	69.4
RP 3.02:	GRAIN SORGHUM	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 3.03:	WHEAT	9.9	0.0	0.0	9.9	4.0	0.0	0.0	0.0	0.2	4.2	14.2
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	1.8	0.0	0.0	1.8	1.9	0.0	0.0	0.0	0.0	1.9	3.8
RP 3.06:	SOYBEANS	57.2	0.0	0.0	57.2	13.2	0.0	0.0	0.0	0.0	13.2	70.5
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.09:	FORAGE, RANGE, & PASTURE	1.8	0.0	0.0	1.8	3.2	0.0	0.0	0.0	0.0	3.2	5.0
RP 3.10:	COTTON	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.12:	NEW CROPS & MINOR OILSEEDS	7.3	0.0	0.0	7.3	1.2	0.0	0.0	0.0	0.0	1.2	8.5
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	7.3	7.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 3.17:	WEEDS IN CROPS	3.2	0.0	0.0	3.2	0.5	0.0	0.0	0.0	0.0	0.5	3.7
RP 3.18:	SEEDS	3.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
RP 3.19:	NONSPECIFIC PLANTS	0.6	0.0	0.0	0.6	2.5	0.0	0.0	0.0	0.9	3.4	4.0
RP 4.01:	BEEF	0.5	0.0	0.0	0.5	6.5	0.0	0.0	0.2	0.0	6.8	7.3
RP 4.02:	DAIRY	1.0	0.0	0.0	1.0	13.1	0.0	0.0	5.2	0.0	18.4	19.4
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.5	1.0	6.2	6.2
RP 4.04:	SHEEP	0.4	0.0	0.0	0.4	1.4	0.0	0.0	1.1	0.0	2.5	3.0
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	6.8	0.0	0.0	4.5	0.0	11.4	11.4
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.5	0.0	3.1	3.1
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY ILLINOIS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	24.2	0.0	25.3	25.3
RP 4.09: INVERTEBRATES	2.8	0.0	0.0	2.8	0.8	0.0	0.0	0.0	0.0	0.8	3.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	9.2	9.2
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.5	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	2.6	3.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	9.3	0.0	0.0	9.3	7.4	0.0	0.0	0.0	0.5	7.9	17.3
RP 8.01: HUMAN NUTRITION	5.3	0.0	0.0	5.3	7.0	0.0	0.0	0.0	0.0	7.0	12.3
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4
RP 8.03: FOOD SAFETY	13.8	0.0	0.0	13.8	2.0	0.0	0.0	0.0	0.0	2.0	15.8
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	173.2	0.0	11.2	184.4	169.3	0.0	4.5	39.9	5.4	219.1	403.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY INDIANA

		USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	7.2	0.0	0.0	7.2	5.3	0.0	0.0	0.0	0.0	5.3	12.6
RP 1.02: WATER & WATERSHEDS	0.2	0.0	0.0	0.2	0.6	0.0	0.0	0.0	0.0	0.6	0.8
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.09: TECHNICAL ASSISTANCE	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.3
RP 2.11: FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01: CORN	1.8	0.0	0.0	1.8	11.7	0.0	0.0	0.0	0.0	11.7	13.6
RP 3.02: GRAIN SORGHUM	0.5	0.0	0.0	0.5	2.3	0.0	0.0	0.0	0.0	2.3	2.8
RP 3.03: WHEAT	3.3	0.0	0.0	3.3	2.9	0.0	0.0	0.0	0.0	2.9	6.3
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 3.05: RICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.06: SOYBEANS	3.5	0.0	0.0	3.5	7.2	0.0	0.0	0.0	0.0	7.2	10.8
RP 3.08: SUGAR	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	6.8	6.8
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 3.17: WEEDS IN CROPS	0.5	0.0	0.0	0.5	1.2	0.0	0.0	0.0	0.0	1.2	1.7
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.4	9.1	9.1
RP 4.01: BEEF	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.05: SWINE	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY INDIANA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FESTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	7.4	7.4
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	8.1	8.1
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.4	3.3	3.3
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	17.9	0.0	0.0	17.9	142.5	0.0	0.0	0.0	0.8	143.3	161.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

REGION 3

RESEARCH PROGRAM SUMMARY

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		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	1.2	0.0	0.0	1.2	7.3	0.0	0.0	0.0	0.0	7.3	8.6
RP 1.02:	WATER & WATERSHEDS	0.7	0.0	0.0	0.7	1.8	0.0	0.0	0.0	0.0	1.8	2.6
RP 1.04:	ENVIRONMENTAL QUALITY	2.8	0.0	0.0	2.8	3.1	0.0	0.0	0.0	0.0	3.1	6.0
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.01:	CORN	9.7	0.0	0.0	9.7	14.0	0.0	0.0	0.0	0.0	14.0	23.7
RP 3.02:	GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.6
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	2.3	0.0	0.0	0.0	0.0	2.3	2.5
RP 3.06:	SOYBEANS	4.5	0.0	0.0	4.5	11.8	0.0	0.0	0.0	0.0	11.8	16.4
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.08:	SUGAR	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.09:	FORAGE, RANGE, & PASTURE	1.4	0.0	0.0	1.4	2.3	0.0	0.0	0.0	0.0	2.3	3.7
RP 3.12:	NEW CROPS & MINOR OILSEEDS	1.4	0.0	0.0	1.4	0.3	0.0	0.0	0.0	0.0	0.3	1.8
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.14:	VEGETABLE CROPS	0.3	0.0	0.0	0.3	2.3	0.0	0.0	0.0	0.0	2.3	2.7
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.6	0.0	0.0	0.6	2.1	0.0	0.0	0.0	0.0	2.1	2.7
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	1.1	0.0	0.0	1.1	3.3	0.0	0.0	0.0	0.1	3.4	4.5
RP 4.01:	BEEF	14.9	0.0	0.0	14.9	9.0	0.0	0.0	3.7	0.0	12.7	27.6
RP 4.02:	DAIRY	19.9	0.0	0.0	19.9	3.3	0.0	0.0	1.5	0.0	4.9	24.8
RP 4.03:	POULTRY	5.4	0.0	0.0	5.4	2.1	0.0	0.0	3.3	0.0	5.4	10.9
RP 4.04:	SHEEP	1.5	0.0	0.0	1.5	0.2	0.0	0.0	0.5	0.0	0.7	2.2
RP 4.05:	SWINE	18.8	0.0	0.0	18.8	8.3	0.0	0.0	10.3	0.3	18.9	37.7
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.2	0.0	0.0	0.2	0.5	0.0	0.0	1.9	0.0	2.5	2.7
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	2.9	0.0	0.0	5.7	0.0	8.6	8.6
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY IOWA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
GRAND TOTAL	85.5	0.0	0.0	85.5	122.9	0.0	0.0	27.2	0.4	150.5	236.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY KANSAS

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	EES/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	5.0	0.0	0.0	5.0	8.4	0.0	0.0	0.0	0.0	8.4	13.4
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.01:	CORN	4.0	0.0	0.0	4.0	8.5	0.0	0.0	0.0	0.0	8.5	12.6
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0	0.0	12.1	12.1
RP 3.03:	WHEAT	17.0	0.0	0.0	17.0	36.5	0.0	0.0	0.0	0.0	36.5	53.6
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 3.05:	RICE	0.3	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.0	0.9	1.2
RP 3.06:	SOYBEANS	0.1	0.0	0.0	0.1	8.5	0.0	0.0	0.0	0.0	8.5	8.7
RP 3.09:	FORAGE, RANGE, & PASTURE	1.0	0.0	0.0	1.0	13.1	0.0	0.0	0.0	0.0	13.1	14.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	9.5	9.5
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	22.6	22.6
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	6.2	6.2
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	7.5
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY KANSAS

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.03: MARKETING & COMPETITION	2.8	0.0	0.0	2.8	6.0	0.0	0.0	0.0	0.0	6.0	8.8
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	7.5
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	30.5	0.0	0.0	30.5	198.9	0.0	0.0	0.0	0.5	199.4	229.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY MICHIGAN

		USDA				OTHER INSTITUTIONS						
		ARS/NHIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	MICH A ARB	MICH HOUGHT	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	8.6	8.6
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	3.7	0.6	0.0	0.0	0.0	4.3	4.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.1	0.4	0.3	0.0	0.0	1.8	1.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	4.8	0.7	5.4	0.0	0.2	11.2	11.2
RP 2.03:	FOREST PROTECTION	0.0	0.0	4.1	4.1	0.9	0.5	0.1	0.0	0.0	1.5	5.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.4	5.4	3.6	0.5	5.2	0.0	0.3	9.6	15.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.0	0.0	1.5	1.5
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.9	0.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.8	0.1	0.0	0.0	0.0	0.9	0.9
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.3
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.01:	CORN	0.1	0.0	0.0	0.1	1.9	0.0	0.0	0.0	0.0	1.9	2.0
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.03:	WHEAT	0.1	0.0	0.0	0.1	0.9	0.0	0.0	0.0	0.0	0.9	1.1
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.8	0.0	0.0	0.8	2.9	0.0	0.0	0.0	0.0	2.9	3.7
RP 3.05:	RICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 3.08:	SUGAR	3.0	0.0	0.0	3.0	0.4	0.0	0.0	0.0	0.0	0.4	3.4
RP 3.09:	FORAGE, RANGE, & PASTURE	0.8	0.0	0.0	0.8	1.5	0.0	0.0	0.0	0.0	1.5	2.3
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.13:	FRUIT	2.6	0.0	0.0	2.6	11.2	0.0	0.0	0.0	0.0	11.2	13.8
RP 3.14:	VEGETABLE CROPS	2.2	0.0	0.0	2.2	11.1	0.0	0.0	0.0	0.0	11.1	13.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	2.2	11.0	11.0
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP 4.02:	DAIRY	0.1	0.0	0.0	0.1	5.2	0.0	0.0	0.0	0.0	5.2	5.3
RP 4.03:	POULTRY	12.5	0.0	0.0	12.5	4.5	0.0	0.0	0.0	2.0	6.5	19.0
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY MICHIGAN

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	MICH A ARB	MICH HOUGHT	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	3.8	3.8
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	5.7	5.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	5.3	5.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	12.2	12.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 8.01: HUMAN NUTRITION	0.1	0.0	0.0	0.1	4.9	0.0	0.0	0.0	0.0	4.9	5.0
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	22.5	0.0	9.5	32.0	153.5	4.2	12.5	0.0	4.7	174.9	206.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY MINNESOTA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	6.4	0.0	0.0	6.4	10.8	0.0	0.0	0.0	0.0	10.8	17.3
RP 1.02:	WATER & WATERSHEDS	1.7	0.0	0.0	1.7	2.9	0.0	0.0	0.0	0.0	2.9	4.6
RP 1.04:	ENVIRONMENTAL QUALITY	2.9	0.0	0.0	2.9	1.4	0.0	0.0	0.0	0.0	1.4	4.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	5.5	5.5
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	6.4	6.4	3.7	0.0	0.0	0.0	0.0	3.7	10.1
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	1.9	1.9	5.7	0.0	0.0	0.0	0.0	5.7	7.7
RP 2.03:	FOREST PROTECTION	0.0	0.0	4.2	4.2	2.2	0.0	0.0	0.0	0.0	2.2	6.4
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	1.2	1.2	3.6	0.0	0.0	0.0	0.0	3.6	4.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	11.9	11.9	1.8	0.0	0.0	0.0	0.0	1.8	13.7
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.5	3.5	0.6	0.0	0.0	0.0	0.0	0.6	4.1
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.2	2.2	1.1	0.0	0.0	0.0	0.0	1.1	3.3
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	2.0	2.0	0.3	0.0	0.0	0.0	0.0	0.3	2.3
RP 2.09:	TECHNICAL ASSISTANCE	1.0	0.0	0.0	1.0	2.3	0.0	0.0	0.0	0.0	2.3	3.3
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.01:	CORN	8.7	0.0	0.0	8.7	10.1	0.0	0.0	0.0	0.0	10.1	18.9
RP 3.02:	GRAIN SORGHUM	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 3.03:	WHEAT	6.4	0.0	0.0	6.4	1.1	0.0	0.0	0.0	0.0	1.1	7.5
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	2.7	0.0	0.0	2.7	5.0	0.0	0.0	0.0	0.0	5.0	7.7
RP 3.05:	RICE	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 3.06:	SOYBEANS	3.5	0.0	0.0	3.5	5.0	0.0	0.0	0.0	0.0	5.0	8.5
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 3.09:	FORAGE, RANGE, & PASTURE	5.4	0.0	0.0	5.4	5.1	0.0	0.0	0.0	0.0	5.1	10.5
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.3	0.3
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 3.14:	VEGETABLE CROPS	4.6	0.0	0.0	4.6	12.6	0.0	0.0	0.0	0.0	12.6	17.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.17:	WEEDS IN CROPS	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
RP 3.19:	NONSPECIFIC PLANTS	0.3	0.0	0.0	0.3	1.7	0.0	0.0	0.0	0.0	1.7	2.0
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.4	0.0	9.0	9.0
RP 4.02:	DAIRY	1.0	0.0	0.0	1.0	10.2	0.0	0.0	4.9	0.0	15.2	16.2
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	7.1	0.0	0.0	1.8	0.0	8.9	8.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY MINNESOTA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	10.0	0.0	0.0	7.4	0.0	17.4	17.4
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	5.1	5.1
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	11.2	11.2
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.7	1.7
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 6.03:	MARKETING & COMPETITION	0.3	0.0	0.0	0.3	4.9	0.0	0.0	0.0	0.0	4.9	5.2
RP 7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.7	0.0	0.0	0.7	4.8	0.0	0.0	0.0	0.0	4.8	5.5
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	5.2	5.2
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
GRAND TOTAL		46.8	0.0	34.5	81.3	189.0	0.0	0.0	24.5	0.1	213.6	294.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY MISSOURI

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	1.9	0.0	0.0	1.9	4.8	0.1	0.0	0.0	0.0	4.9	6.9
RP 1.02:	WATER & WATERSHEDS	1.3	0.0	0.0	1.3	1.8	0.0	0.0	0.0	0.0	1.8	3.1
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.1	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.6
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	3.3	3.3	1.9	0.0	0.0	0.0	0.0	1.9	5.2
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 2.09:	TECHNICAL ASSISTANCE	1.0	0.0	0.0	1.0	0.2	0.0	0.0	0.0	0.0	0.2	1.2
RP 3.01:	CORN	8.2	0.0	0.0	8.2	4.7	0.0	0.0	0.0	0.0	4.7	13.0
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.03:	WHEAT	1.5	0.0	0.0	1.5	4.5	0.0	0.0	0.0	0.0	4.5	6.1
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.6	1.1	1.2
RP 3.05:	RICE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.06:	SOYBEANS	1.5	0.0	0.0	1.5	7.9	0.8	0.0	0.0	0.0	8.7	10.3
RP 3.09:	FORAGE, RANGE, & PASTURE	1.9	0.0	0.0	1.9	4.5	1.2	0.0	0.0	0.0	5.7	7.6
RP 3.10:	COTTON	0.7	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.4	1.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 3.14:	VEGETABLE CROPS	0.6	0.0	0.0	0.6	0.9	2.3	0.0	0.0	0.0	3.3	3.9
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	1.1	0.0	0.0	1.1	7.4	0.0	0.0	0.0	0.0	7.4	8.5
RP 4.01:	BEEF	0.1	0.0	0.0	0.1	10.0	0.9	0.0	1.2	0.0	12.2	12.4
RP 4.02:	DAIRY	1.1	0.0	0.0	1.1	5.6	0.0	0.0	0.4	0.0	6.0	7.1
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	3.4	1.3	0.0	0.0	0.0	4.8	4.8
RP 4.05:	SWINE	1.1	0.0	0.0	1.1	5.2	0.9	0.0	0.3	0.0	6.4	7.5
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.7	0.0	0.0	5.2	0.0	5.9	5.9
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY MISSOURI

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	5.0	0.0	0.0	13.7	0.0	18.7	18.7
RP 4.09: INVERTEBRATES	3.1	0.0	0.0	3.1	0.4	0.0	0.0	0.0	0.0	0.4	3.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.0	0.0	1.5	1.5
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.4	0.4
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	7.5	0.4	0.0	0.2	0.0	8.1	8.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.1	0.8	0.0	0.0	0.0	4.9	4.9
RP 7.01: MANMADE RESOURCES	0.6	0.0	0.0	0.6	0.1	0.0	0.0	0.2	0.0	0.3	0.9
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.4	0.0	0.0	1.4	9.3	0.0	0.0	0.0	0.0	9.3	10.8
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.5	5.4	0.0	0.0	0.0	9.0	9.0
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 8.03: FOOD SAFETY	0.8	0.0	0.0	0.8	2.4	0.0	0.0	0.0	0.0	2.4	3.2
GRAND TOTAL	28.5	0.0	3.5	32.0	127.5	15.2	0.0	21.3	0.6	164.6	196.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY NEBRASKA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	5.1	0.0	0.0	5.1	6.6	0.0	0.0	0.0	1.0	7.6	12.7
RP 1.02: WATER & WATERSHEDS	0.8	0.0	0.0	0.8	5.9	0.0	0.0	0.0	0.0	5.9	6.7
RP 1.04: ENVIRONMENTAL QUALITY	1.5	0.0	0.0	1.5	2.7	0.0	0.0	0.0	0.0	2.7	4.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 2.03: FOREST PROTECTION	0.0	0.0	3.1	3.1	0.2	0.0	0.0	0.0	0.0	0.2	3.3
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.07: FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 3.01: CORN	0.4	0.0	0.0	0.4	10.6	0.0	0.0	0.0	0.0	10.6	11.0
RP 3.02: GRAIN SORGHUM	3.5	0.0	0.0	3.5	5.9	0.0	0.0	0.0	0.0	5.9	9.4
RP 3.03: WHEAT	3.8	0.0	0.0	3.8	5.4	0.0	0.0	0.0	0.0	5.4	9.2
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.2	0.0	0.0	0.2	2.1	0.0	0.0	0.0	0.0	2.1	2.3
RP 3.06: SOYBEANS	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	8.2
RP 3.08: SUGAR	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.09: FORAGE, RANGE, & PASTURE	3.7	0.0	0.0	3.7	5.3	0.0	0.0	0.0	0.0	5.3	9.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0	5.0
RP 3.17: WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.18: SEEDS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	7.2	7.2
RP 4.01: BEEF	23.7	0.0	0.0	23.7	19.8	0.0	0.0	0.0	0.0	19.8	43.6
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5
RP 4.04: SHEEP	5.1	0.0	0.0	5.1	1.5	0.0	0.0	0.0	0.0	1.5	6.6
RP 4.05: SWINE	15.5	0.0	0.0	15.5	11.4	0.0	0.0	0.0	0.0	11.4	27.0
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 5.02: LIVING ENVIRONMENT	0.1	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	1.0	1.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY NEBRASKA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.1	0.0	0.0	1.1	6.2	0.0	0.0	0.0	0.0	6.2	7.3
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 8.03: FOOD SAFETY	2.0	0.0	0.0	2.0	1.6	0.0	0.0	0.0	0.0	1.6	3.6
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	67.0	0.0	4.3	71.3	143.6	0.0	0.0	0.0	1.0	144.6	215.9

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY NORTH DAKOTA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	EES/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	3.1	0.0	0.0	3.1	11.1	0.0	0.0	0.0	0.0	11.1	14.3
RP 1.02:	WATER & WATERSHEDS	2.7	0.0	0.0	2.7	4.4	0.0	0.0	0.0	0.0	4.4	7.1
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 1.04:	ENVIRONMENTAL QUALITY	1.7	0.0	0.0	1.7	1.3	0.0	0.0	0.0	0.0	1.3	3.1
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.1	0.0	0.0	0.1	1.2	0.0	0.0	0.0	0.0	1.2	1.3
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.09:	TECHNICAL ASSISTANCE	1.4	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	1.4	2.9
RP 3.01:	CORN	2.8	0.0	0.0	2.8	1.8	0.0	0.0	0.0	0.0	1.8	4.7
RP 3.03:	WHEAT	6.4	0.0	0.0	6.4	15.3	0.0	0.0	0.0	0.0	15.3	21.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	1.3	0.0	0.0	1.3	9.3	0.0	0.0	0.0	0.0	9.3	10.6
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 3.08:	SUGAR	4.5	0.0	0.0	4.5	1.6	0.0	0.0	0.0	0.0	1.6	6.2
RP 3.09:	FORAGE, RANGE, & PASTURE	5.4	0.0	0.0	5.4	9.3	0.0	0.0	0.0	0.0	9.3	14.8
RP 3.10:	COTTON	4.8	0.0	0.0	4.8	0.2	0.0	0.0	0.0	0.0	0.2	5.0
RP 3.12:	NEW CROPS & MINOR OILSEEDS	8.6	0.0	0.0	8.6	10.1	0.0	0.0	0.0	0.0	10.1	18.7
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.14:	VEGETABLE CROPS	0.3	0.0	0.0	0.3	9.4	0.0	0.0	0.0	0.5	9.9	10.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.9	0.0	0.0	0.9	0.3	0.0	0.0	0.0	0.0	0.3	1.2
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.19:	NONSPECIFIC PLANTS	2.7	0.0	0.0	2.7	0.9	0.0	0.0	0.0	0.0	0.9	3.6
RP 4.01:	BEEF	2.7	0.0	0.0	2.7	10.9	0.0	0.0	0.0	0.0	10.9	13.6
RP 4.02:	DAIRY	3.4	0.0	0.0	3.4	4.6	0.0	0.0	0.0	0.0	4.6	8.0
RP 4.03:	POULTRY	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
RP 4.04:	SHEEP	0.9	0.0	0.0	0.9	3.2	0.0	0.0	0.0	0.0	3.2	4.2
RP 4.05:	SWINE	1.4	0.0	0.0	1.4	4.3	0.0	0.0	0.0	0.0	4.3	5.8
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP 4.09:	INVERTEBRATES	7.9	0.0	0.0	7.9	0.2	0.0	0.0	0.0	0.0	0.2	8.1
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY NORTH DAKOTA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0	4.0
RP 8.01: HUMAN NUTRITION	15.2	0.0	0.0	15.2	0.1	0.0	0.0	0.0	0.0	0.1	15.3
RP 8.03: FOOD SAFETY	3.6	0.0	0.0	3.6	0.5	0.0	0.0	0.0	0.0	0.5	4.1
GRAND TOTAL	83.8	0.0	0.0	83.8	125.2	0.0	0.0	0.0	0.5	125.7	209.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY OHIO

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	OHIO ALLIAN	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	1.6	0.0	0.0	1.6	7.2	0.0	0.0	0.0	0.0	7.2	8.9
RP 1.02:	WATER & WATERSHEDS	1.9	0.0	0.0	1.9	1.8	0.0	0.0	0.0	0.0	1.8	3.8
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 1.04:	ENVIRONMENTAL QUALITY	1.4	0.0	0.0	1.4	5.0	0.0	0.0	0.0	0.0	5.0	6.4
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.3	0.0	0.0	0.3	0.2	0.0	0.0	0.0	1.0	1.2	1.5
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	3.4	3.4	6.3	0.0	0.0	0.0	0.0	6.3	9.8
RP 2.03:	FOREST PROTECTION	0.4	0.0	4.7	5.1	0.6	0.0	0.0	0.0	0.0	0.6	5.7
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.2	5.2	0.6	0.0	0.0	0.0	1.1	1.7	6.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	6.6	6.6	2.1	0.0	0.0	0.0	0.0	2.1	8.7
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	1.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
RP 3.01:	CORN	3.5	0.0	0.0	3.5	9.4	0.0	0.0	0.0	0.0	9.4	13.0
RP 3.03:	WHEAT	3.1	0.0	0.0	3.1	0.9	0.0	0.0	0.0	0.0	0.9	4.0
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.06:	SOYBEANS	2.1	0.0	0.0	2.1	8.9	0.0	0.0	0.0	0.0	8.9	11.0
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.09:	FORAGE, RANGE, & PASTURE	0.7	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.0	2.0	2.7
RP 3.10:	COTTON	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.13:	FRUIT	1.1	0.0	0.0	1.1	9.1	0.0	0.0	0.0	0.0	9.1	10.2
RP 3.14:	VEGETABLE CROPS	1.1	0.0	0.0	1.1	11.8	0.0	0.0	0.0	0.0	11.8	13.0
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	1.4	0.0	0.0	1.4	8.1	0.0	0.0	0.0	0.0	8.1	9.5
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.1	2.1	2.1
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.4	0.0	5.3	5.3
RP 4.02:	DAIRY	0.6	0.0	0.0	0.6	8.6	0.0	0.0	1.0	0.0	9.7	10.3
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.5	0.0	8.1	8.1
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.4	0.0	3.9	3.9
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	9.4	0.2	0.0	0.4	1.0	11.0	11.0
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	10.6	0.3	11.4	11.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY OHIO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	OHIO ALLIAN	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	1.2	0.0	1.3	1.3
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.1	0.0	4.1	4.1
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	5.3	5.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	5.9	5.9
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.4	0.0	0.0	2.4	1.3	0.0	0.0	0.0	0.0	1.3	3.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 8.05: FOOD SERVICE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
GRAND TOTAL	24.0	0.0	20.0	44.0	148.3	0.2	0.0	14.7	3.6	166.8	210.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY SOUTH DAKOTA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	5.7	5.7	0.2	0.0	0.0	0.0	0.0	0.2	5.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01:	CORN	8.3	0.0	0.0	8.3	5.1	0.0	0.0	0.0	0.0	5.1	13.5
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.03:	WHEAT	0.9	0.0	0.0	0.9	4.7	0.0	0.0	0.0	0.0	4.7	5.6
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	2.0	0.0	0.0	0.0	0.0	2.0	2.1
RP 3.06:	SOYBEANS	1.0	0.0	0.0	1.0	1.5	0.0	0.0	0.0	0.0	1.5	2.5
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.2	0.2	7.0	0.0	0.0	0.0	0.0	7.0	7.2
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.9	4.9
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY SOUTH DAKOTA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
GRAND TOTAL	10.4	0.0	6.0	16.4	67.8	0.0	0.0	0.0	0.0	67.8	84.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY WISCONSIN

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6	6.6
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	10.5	10.5	3.3	0.0	0.0	0.0	0.0	3.3	13.8
RP 2.03:	FOREST PROTECTION	0.0	0.0	2.8	2.8	2.0	0.0	0.0	0.0	0.0	2.0	4.8
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	75.3	75.3	2.8	0.0	0.0	0.0	1.2	4.0	79.3
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.01:	CORN	0.8	0.0	0.0	0.8	4.4	0.0	0.0	0.0	0.0	4.4	5.2
RP 3.03:	WHEAT	0.6	0.0	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.3	0.9
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	3.8	0.0	0.0	3.8	1.5	0.0	0.0	0.0	0.0	1.5	5.3
RP 3.05:	RICE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.06:	SOYBEANS	0.1	0.0	0.0	0.1	2.9	0.0	0.0	0.0	0.0	2.9	3.0
RP 3.09:	FORAGE, RANGE, & PASTURE	6.0	0.0	0.0	6.0	5.8	0.0	0.0	0.0	0.0	5.8	11.9
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 3.14:	VEGETABLE CROPS	8.7	0.0	0.0	8.7	10.1	0.0	0.0	0.0	0.0	10.1	18.8
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.19:	NONSPECIFIC PLANTS	1.4	0.0	0.0	1.4	8.0	0.0	0.0	0.0	0.2	8.2	9.6
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.8	5.4	5.4
RP 4.02:	DAIRY	3.9	0.0	0.0	3.9	16.0	0.0	0.0	0.0	0.0	16.0	19.9
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	4.3	4.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 3

RESEARCH PROGRAM SUMMARY WISCONSIN

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	4.4	4.4
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	1.0	6.6	6.6
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	5.3	5.3
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.8	4.8
RP 7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.5	0.0	0.0	1.5	24.2	0.0	0.0	0.0	1.4	25.6	27.1
RP 8.01:	HUMAN NUTRITION	0.1	0.0	0.0	0.1	6.7	0.0	0.0	0.0	0.1	6.8	7.0
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0
RP 8.04:	FOOD STORAGE DISTRIBUTION AND MARKETING	0.7	0.0	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.6	1.4
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
GRAND TOTAL		28.0	0.0	88.6	116.6	173.2	0.0	0.0	0.0	4.7	177.9	294.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY ALASKA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	2.7	0.0	0.0	2.7	1.1	0.0	0.0	0.0	0.0	1.1	3.8
RP 1.02:	WATER & WATERSHEDS	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	7.4	7.4	1.4	0.0	0.0	0.0	0.0	1.4	8.8
RP 2.03:	FOREST PROTECTION	0.0	0.0	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	10.7	10.7	0.0	0.0	0.0	0.0	0.0	0.0	10.7
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.2	1.2	0.1	0.0	0.0	0.0	0.0	0.1	1.4
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	1.4	0.0	0.0	1.4	1.1	0.0	0.0	0.0	0.0	1.1	2.5
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL		4.7	0.0	33.9	38.6	11.2	0.0	0.0	0.0	0.0	11.2	49.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY ARIZONA

		USDA				OTHER INSTITUTIONS						
		APS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	2.2	0.0	0.0	2.2	6.3	0.0	0.0	0.0	0.0	6.3	8.6
RP 1.02:	WATER & WATERSHEDS	17.1	0.0	0.0	17.1	11.2	0.0	0.0	0.0	0.0	11.2	28.4
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.5	0.0	0.0	0.5	3.4	0.0	0.0	0.0	0.0	3.4	3.9
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	1.7	0.0	0.0	1.7	0.5	0.0	0.0	0.0	0.0	0.5	2.2
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 1.07:	REMOTE SENSING	1.2	0.0	0.0	1.2	1.7	0.0	0.0	0.0	0.0	1.7	2.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	1.3	0.0	1.1	0.0	0.0	2.4	2.4
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	6.7	6.7	0.0	0.0	1.4	0.0	0.0	1.4	8.1
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.7	0.7	1.6	0.0	0.4	0.0	0.0	2.0	2.7
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.5
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.5	4.5	2.9	0.0	0.0	0.0	0.0	2.9	7.4
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	4.1	4.1	2.0	0.0	0.0	0.0	0.0	2.0	6.1
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.0	0.9	0.9
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	1.1	0.0	0.0	1.1	1.4	0.0	0.0	0.0	0.0	1.4	2.5
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 3.09:	FORAGE, RANGE, & PASTURE	13.7	0.0	0.0	13.7	8.4	0.0	0.0	0.0	0.0	8.4	22.1
RP 3.10:	COTTON	16.8	0.0	0.0	16.8	9.6	0.0	0.0	0.0	0.0	9.6	26.4
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.12:	NEW CROPS & MINOR OILSEEDS	5.0	0.0	0.0	5.0	3.9	0.0	0.0	0.0	0.0	3.9	8.9
RP 3.13:	FRUIT	1.5	0.0	0.0	1.5	4.4	0.0	0.0	0.0	0.0	4.4	5.9
RP 3.14:	VEGETABLE CROPS	1.5	0.0	0.0	1.5	7.2	0.0	0.0	0.0	0.0	7.2	8.7
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	5.4
RP 3.16:	BEES & OTHER POLLINATING INSECTS	6.6	0.0	0.0	6.6	0.1	0.0	0.0	0.0	0.0	0.1	6.7
RP 3.19:	NONSPECIFIC PLANTS	0.2	0.0	0.0	0.2	3.5	0.0	0.0	0.0	0.0	3.5	3.8
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	6.7	6.7
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	9.5	9.5
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY ARIZONA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	8.3	8.3
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.7	5.4	5.4
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	26.6	0.0	0.0	0.0	0.0	26.6	26.6
RP 5.02:	LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	13.2	13.2
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.0	0.0	0.0	1.0	3.4	0.0	0.0	0.0	0.2	3.6	4.6
RP 8.01:	HUMAN NUTRITION	0.1	0.0	0.0	0.1	5.2	0.0	0.0	0.0	0.0	5.2	5.3
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
GRAND TOTAL		70.6	0.0	16.2	86.8	178.6	0.0	3.9	0.0	0.9	183.4	270.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY CALIFORNIA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	4.9	0.0	0.0	4.9	12.9	0.0	0.0	0.0	0.0	12.9	17.9
RP 1.02:	WATER & WATERSHEDS	11.1	0.0	0.0	11.1	12.5	0.0	0.0	0.0	0.0	12.5	23.6
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.04:	ENVIRONMENTAL QUALITY	4.6	0.0	0.0	4.6	24.5	0.0	0.0	4.0	0.0	28.5	33.2
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.2	0.0	11.3	11.3
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	1.1	1.1	2.5	0.0	0.1	0.0	0.0	2.6	3.7
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	13.6	13.6	6.5	0.0	0.1	0.0	0.2	6.8	20.5
RP 2.03:	FOREST PROTECTION	0.0	0.0	35.1	35.1	7.9	0.0	0.0	0.0	0.0	7.9	43.0
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	11.8	11.8
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	4.2	4.2	2.6	0.0	0.0	0.0	0.0	2.6	6.8
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	4.7	4.7	1.7	0.0	0.0	0.0	0.0	1.7	6.4
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	5.3	5.3	0.2	0.0	0.0	0.0	0.0	0.2	5.5
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 2.09:	TECHNICAL ASSISTANCE	1.0	0.0	0.0	1.0	0.8	0.0	0.0	0.0	0.0	0.8	1.8
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.01:	CORN	7.9	0.0	0.0	7.9	4.7	0.0	0.0	0.0	0.0	4.7	12.7
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.03:	WHEAT	18.7	0.0	0.0	18.7	1.9	0.0	0.0	0.0	0.0	1.9	20.6
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	5.0	0.0	0.0	5.0	3.3	0.0	0.0	0.0	0.0	3.3	8.4
RP 3.05:	RICE	1.3	0.0	0.0	1.3	2.8	0.0	0.0	0.0	0.0	2.8	4.2
RP 3.06:	SOYBEANS	1.2	0.0	0.0	1.2	2.4	0.0	0.0	0.0	0.0	2.4	3.6
RP 3.08:	SUGAR	7.0	0.0	0.0	7.0	1.0	0.0	0.0	0.0	0.0	1.0	8.0
RP 3.09:	FORAGE, RANGE, & PASTURE	6.0	0.0	0.0	6.0	15.3	0.0	0.0	0.0	0.0	15.3	21.3
RP 3.10:	COTTON	3.7	0.0	0.0	3.7	6.1	0.0	0.0	0.0	0.0	6.1	9.8
RP 3.11:	TOBACCO	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
RP 3.12:	NEW CROPS & MINOR OILSEEDS	3.7	0.0	0.0	3.7	8.1	0.0	0.0	0.0	0.0	8.1	11.8
RP 3.13:	FRUIT	42.6	0.0	0.0	42.6	57.3	0.0	0.0	0.0	0.0	57.3	99.9
RP 3.14:	VEGETABLE CROPS	32.2	0.0	0.0	32.2	32.2	0.0	0.0	0.0	3.5	35.7	67.9
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	10.5	10.5
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 3.17:	WEEDS IN CROPS	0.8	0.0	0.0	0.8	1.5	0.0	0.0	0.0	0.0	1.5	2.4
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 3.19:	NONSPECIFIC PLANTS	7.7	0.0	0.0	7.7	49.7	0.0	0.0	0.0	3.0	52.7	60.5
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	7.1	0.0	0.0	4.4	0.1	11.5	11.6

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY CALIFORNIA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.02: DAIRY	2.8	0.0	0.0	2.8	13.0	0.0	0.0	8.8	0.0	21.9	24.8
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.4	0.0	11.0	11.0
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	6.1	0.0	0.0	1.2	0.0	7.4	7.4
RP 4.05: SWINE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.7	0.0	1.7	1.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	8.2	0.0	0.0	14.6	0.0	22.8	22.8
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.9	0.0	11.7	11.7
RP 4.08: NONSPECIFIC ANIMALS	2.7	0.0	0.0	2.7	15.0	0.0	0.0	35.0	0.2	50.3	53.1
RP 4.09: INVERTEBRATES	1.6	0.0	0.0	1.6	21.6	0.0	0.0	0.0	0.3	21.9	23.5
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	11.2	11.2
RP 5.05: RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.1	0.0	0.0	1.1	6.9	0.0	0.0	0.0	0.0	6.9	8.1
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	10.7	10.7
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	6.1	0.0	0.0	6.1	53.9	0.0	0.0	0.0	0.0	53.9	60.0
RP 8.01: HUMAN NUTRITION	20.0	0.0	0.0	20.0	16.1	0.0	0.0	0.4	0.0	16.5	36.5
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	5.3	5.3
RP 8.03: FOOD SAFETY	7.6	0.0	0.0	7.6	17.3	0.0	0.0	0.2	0.0	17.5	25.1
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
GRAND TOTAL	202.9	0.0	64.1	267.0	543.8	0.0	0.2	71.1	7.3	622.4	889.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY COLORADO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	8.2	0.0	0.0	8.2	3.4	0.0	0.0	0.0	0.0	3.4	11.7
RP 1.02: WATER & WATERSHEDS	8.5	0.0	0.0	8.5	21.0	0.0	0.0	0.0	1.0	22.0	30.6
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 1.04: ENVIRONMENTAL QUALITY	0.2	0.0	0.0	0.2	8.0	0.0	0.0	0.0	0.0	8.0	8.2
RP 1.05: WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	4.6	4.6
RP 1.07: REMOTE SENSING	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	2.1	2.1	0.2	0.0	0.0	0.0	0.0	0.2	2.3
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	4.5	4.5	1.5	0.0	0.0	0.0	0.0	1.5	6.0
RP 2.03: FOREST PROTECTION	0.0	0.0	1.7	1.7	0.5	0.0	0.0	0.0	0.0	0.5	2.2
RP 2.04: HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	3.7	3.7	0.8	0.0	0.0	0.0	0.0	0.8	4.6
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.9	0.9	2.1	0.0	0.0	0.0	0.0	2.1	3.1
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	6.6	6.6	2.7	0.0	0.0	0.0	0.0	2.7	9.3
RP 2.09: TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 3.01: CORN	1.0	0.0	0.0	1.0	4.8	0.0	0.0	0.0	0.0	4.8	5.8
RP 3.02: GRAIN SORGHUM	0.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.5	0.6
RP 3.03: WHEAT	1.9	0.0	0.0	1.9	18.7	0.0	0.0	0.0	0.0	18.7	20.7
RP 3.04: SMALL GRAINS OTHER THAN WHEAT	0.1	0.0	0.0	0.1	3.0	0.0	0.0	0.0	0.0	3.0	3.1
RP 3.06: SOYBEANS	1.2	0.0	0.0	1.2	1.9	0.0	0.0	0.0	0.0	1.9	3.2
RP 3.08: SUGAR	4.0	0.0	0.0	4.0	0.1	0.0	0.0	0.0	0.0	0.1	4.1
RP 3.09: FORAGE, RANGE, & PASTURE	4.9	0.0	0.0	4.9	18.2	0.0	0.0	0.0	0.0	18.2	23.2
RP 3.10: COTTON	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	5.1
RP 3.14: VEGETABLE CROPS	1.0	0.0	0.0	1.0	8.0	0.0	0.0	0.0	0.0	8.0	9.1
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5	4.5
RP 3.17: WEEDS IN CROPS	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 3.18: SEEDS	1.4	0.0	0.0	1.4	1.6	0.0	0.0	0.0	0.0	1.6	3.0
RP 3.19: NONSPECIFIC PLANTS	4.3	0.0	0.0	4.3	2.8	0.0	0.0	0.0	0.0	2.8	7.2
RP 4.01: BEEF	0.0	0.0	0.0	0.0	17.5	0.0	0.0	44.3	0.0	61.9	61.9
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	2.5	0.0	0.0	9.3	0.0	11.8	11.8
RP 4.03: POULTRY	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	4.5	0.0	0.0	12.8	0.0	17.4	17.4
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY COLORADO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	3.9	3.9
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.6	0.0	0.0	0.6	2.2	0.0	0.0	0.0	0.0	2.2	2.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 8.04: FOOD STORAGE DISTRIBUTION AND MARKETING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	39.1	0.0	19.7	58.8	160.0	0.0	0.0	68.3	1.0	229.3	288.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY GUAM

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 3.09: FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.13: FRUIT	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	7.5
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
GRAND TOTAL	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	14.5	14.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY HAWAII

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	3.9	3.9	1.7	0.0	0.0	0.0	0.0	1.7	5.6
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.8
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.01:	CORN	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.05:	RICE	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.08:	SUGAR	3.0	0.0	0.0	3.0	0.4	0.0	0.0	0.0	0.0	0.4	3.4
RP 3.09:	FORAGE, RANGE, & PASTURE	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 3.13:	FRUIT	11.4	0.0	0.0	11.4	14.4	0.0	0.0	0.0	0.0	14.4	25.8
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	14.6	14.6
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	9.4	9.4
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	1.0	0.0	0.0	1.0	9.1	0.0	0.0	0.0	0.0	9.1	10.1
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 5.04:	INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	1.0	0.0	0.0	1.0	1.1	0.0	0.0	0.0	0.0	1.1	2.1
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY HAWAII

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
GRAND TOTAL	16.4	0.0	4.5	20.9	99.2	0.0	0.0	0.0	0.0	99.2	120.1

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY IDAHO

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	6.1	0.0	0.0	6.1	8.6	0.0	0.0	0.0	0.0	8.6	14.7
RP 1.02:	WATER & WATERSHEDS	9.9	0.0	0.0	9.9	3.5	0.0	0.1	0.0	0.0	3.6	13.5
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.2	0.0	0.8	0.0	0.0	1.0	1.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.1	0.0	0.2	0.0	0.0	1.3	1.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.2	2.2
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.5
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	12.4	12.4	0.0	0.0	9.1	0.0	0.0	9.1	21.6
RP 2.03:	FOREST PROTECTION	0.0	0.0	1.5	1.5	0.0	0.0	0.4	0.0	0.0	0.5	2.1
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	1.0	1.0	0.0	0.0	1.9	0.0	0.0	1.9	2.9
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	5.2	5.2	0.0	0.0	1.3	0.0	0.0	1.3	6.5
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.2	3.2	0.1	0.0	1.6	0.0	0.0	1.7	4.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 3.03:	WHEAT	2.1	0.0	0.0	2.1	5.5	0.0	0.0	0.0	0.0	5.5	7.6
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	4.1	0.0	0.0	4.1	2.5	0.0	0.0	0.0	0.0	2.5	6.6
RP 3.05:	RICE	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.09:	FORAGE, RANGE, & PASTURE	3.0	0.0	0.0	3.0	6.7	0.0	0.2	0.0	0.0	7.0	10.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 3.14:	VEGETABLE CROPS	4.0	0.0	0.0	4.0	15.7	0.0	0.0	0.0	0.0	15.7	19.7
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 4.01:	BEEF	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	7.6	7.6
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 4.04:	SHEEP	6.6	0.0	0.0	6.6	2.7	0.0	0.0	0.0	0.0	2.7	9.3
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.6	0.0	0.5	0.0	0.0	3.1	3.1
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	1.1	0.0	0.0	1.4	1.4
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY IDAHO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.6	3.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
GRAND TOTAL	36.8	0.0	23.5	60.3	82.6	0.0	20.9	0.0	0.0	103.5	163.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY MONTANA

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.4	0.0	0.0	0.4	2.6	0.0	0.0	0.0	0.0	2.6	3.1
RP 1.02:	WATER & WATERSHEDS	0.3	0.0	0.0	0.3	2.4	0.0	0.0	0.0	0.0	2.4	2.7
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.08:	AQUATIC WEEDS	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	1.1
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	3.8	3.8	0.0	0.0	6.1	0.0	0.0	6.1	9.9
RP 2.03:	FOREST PROTECTION	0.0	0.0	17.0	17.0	0.1	0.0	0.0	0.0	0.2	0.3	17.3
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	2.2	2.2	0.0	0.0	0.4	0.0	0.0	0.4	2.6
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	1.3
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.9	1.9	0.0	0.0	4.0	0.0	0.0	4.0	5.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.0	2.0	0.0	0.0	0.8	0.0	0.0	0.8	2.8
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2
RP 2.09:	TECHNICAL ASSISTANCE	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 3.01:	CORN	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 3.03:	WHEAT	2.8	0.0	0.0	2.8	10.5	0.0	0.0	0.0	0.0	10.5	13.3
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	1.3	0.0	0.0	1.3	7.4	0.0	0.0	0.0	0.0	7.4	8.7
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.09:	FORAGE, RANGE, & PASTURE	14.4	0.0	0.0	14.4	8.3	0.0	0.0	0.0	0.0	8.3	22.7
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.4	0.0	0.0	0.4	1.0	0.0	0.0	0.0	0.0	1.0	1.4
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.4	0.4
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7	3.7
RP 4.01:	BEEF	6.8	0.0	0.0	6.8	9.6	0.0	0.0	0.0	0.0	9.6	16.4
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY MONTANA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 8.02: FOOD PROCESSING	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
GRAND TOTAL	27.0	0.0	29.1	56.1	74.0	0.0	14.1	0.0	0.2	88.3	144.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989

REGION 4

RESEARCH PROGRAM SUMMARY

NEVADA

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01: SOIL & LAND USE	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 1.02: WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 1.03: RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.04: ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.06: FISH & WILDLIFE	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 1.07: REMOTE SENSING	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 2.01: INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.02: TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 2.03: FOREST PROTECTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 2.05: FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.06: FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
RP 2.08: ALTERNATE USES OF LAND	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.09: FORAGE, RANGE, & PASTURE	4.0	0.0	0.0	4.0	2.6	0.0	0.0	0.0	0.0	2.6	6.6
RP 3.10: COTTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.12: NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.14: VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.15: PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.19: NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 4.01: BEEF	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.6	5.6
RP 4.02: DAIRY	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 4.04: SHEEP	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL	4.0	0.0	1.1	5.1	33.7	0.0	0.0	0.0	0.0	33.7	38.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY NEW MEXICO

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	3.4	3.4
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	1.1	1.1	0.7	0.0	0.0	0.0	0.0	0.7	1.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	1.6	1.6	0.3	0.0	0.0	0.0	0.0	0.3	2.0
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.6	1.6	0.3	0.0	0.0	0.0	0.0	0.3	2.0
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.03:	WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.07:	PEANUTS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.09:	FORAGE, RANGE, & PASTURE	3.6	0.0	0.0	3.6	7.3	0.0	0.0	0.0	0.0	7.3	11.0
RP 3.10:	COTTON	4.0	0.0	0.0	4.0	2.2	0.0	0.0	0.0	0.0	2.2	6.2
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	2.6
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	5.8	5.8
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 4.01:	BEEF	0.6	0.0	0.0	0.6	8.1	0.0	0.0	0.0	0.0	8.1	8.8
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 4.04:	SHEEP	0.6	0.0	0.0	0.6	2.0	0.0	0.0	0.0	0.0	2.0	2.6
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY NEW MEXICO

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.6	0.6
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6	1.6
GRAND TOTAL	9.0	0.0	4.4	13.4	63.0	0.0	0.0	0.0	0.1	63.1	76.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY OREGON

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.8	0.0	0.0	0.8	6.7	0.0	0.7	0.0	0.0	7.4	8.3
RP 1.02:	WATER & WATERSHEDS	1.5	0.0	0.0	1.5	5.1	0.0	6.6	0.0	0.0	11.7	13.3
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	1.0	1.0
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.4	0.0	2.0	0.0	0.0	4.4	4.4
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.5	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.6
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	9.5	0.0	0.4	0.0	0.0	9.9	9.9
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	7.7	7.7	0.7	0.0	0.6	0.0	0.0	1.3	9.0
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	20.4	20.4	3.0	0.0	15.7	0.0	0.0	18.8	39.3
RP 2.03:	FOREST PROTECTION	0.0	0.0	17.9	17.9	0.5	0.0	1.5	0.0	0.0	2.0	20.0
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	14.2	14.2	0.0	0.0	19.2	0.0	0.2	19.4	33.6
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	6.1	6.1	0.5	0.0	4.0	0.0	0.0	4.5	10.6
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	1.4	1.4	0.5	0.0	1.0	0.0	0.0	1.5	3.0
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	1.3	1.3	0.2	0.0	0.6	0.0	0.0	0.8	2.2
RP 2.10:	TREES, FORESTS & FOREST PRODUCTS -- GENERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.03:	WHEAT	6.4	0.0	0.0	6.4	8.2	0.0	0.0	0.0	0.0	8.2	14.6
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 3.06:	SOYBEANS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.09:	FORAGE, RANGE, & PASTURE	10.6	0.0	0.0	10.7	6.7	0.0	0.0	0.0	0.0	6.8	17.5
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.12:	NEW CROPS & MINOR OILSEEDS	1.5	0.0	0.0	1.5	7.1	0.0	0.0	0.0	0.0	7.1	8.6
RP 3.13:	FRUIT	5.5	0.0	0.0	5.5	17.5	0.0	0.0	0.0	0.0	17.5	23.0
RP 3.14:	VEGETABLE CROPS	3.0	0.0	0.0	3.0	14.0	0.0	0.0	0.0	0.3	14.3	17.4
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	1.3	0.0	0.0	1.3	4.9	0.0	0.0	0.0	0.0	4.9	6.3
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.17:	WEEDS IN CROPS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.3
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 3.19:	NONSPECIFIC PLANTS	3.4	0.0	0.0	3.4	2.4	0.0	0.0	0.0	1.0	3.4	6.8
RP 4.01:	BEEF	0.7	0.0	0.0	0.7	9.7	0.0	0.0	0.3	0.0	10.0	10.7
RP 4.02:	DAIRY	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.2	3.2
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.3	0.0	4.1	4.1
RP 4.04:	SHEEP	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.3	2.3
RP 4.05:	SWINE	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.2	0.0	1.4	1.4

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY OREGON

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	0.0	3.6	3.6
RP 4.07:	AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.8
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	4.1	0.0	0.0	1.1	0.0	5.2	5.2
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7	2.7
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	2.9	2.9
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.4	0.0	0.1	0.0	0.0	2.5	2.5
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0	7.0
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 7.01:	MANMADE RESOURCES	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	1.4	0.0	0.0	1.4	5.3	0.0	0.1	0.0	0.0	5.5	6.9
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	4.7	4.7
RP 8.02:	FOOD PROCESSING	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	7.3	7.3
RP 8.05:	FOOD SERVICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GRAND TOTAL		37.1	0.0	69.3	106.4	169.0	0.0	54.2	3.9	1.5	228.6	335.0

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY UTAH

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 1.02:	WATER & WATERSHEDS	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	2.2
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.08:	AQUATIC WEEDS	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	4.4	4.4	0.6	0.0	0.0	0.0	0.0	0.6	5.0
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.03:	FOREST PROTECTION	0.0	0.0	3.4	3.4	0.6	0.0	0.0	0.0	0.0	0.6	4.0
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	5.2	5.2	0.6	0.0	0.0	0.0	0.0	0.6	5.8
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.6	3.6	0.8	0.0	0.0	0.0	0.0	0.8	4.4
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.11:	FOREST & RANGE RESOURCES	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.02:	GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4
RP 3.03:	WHEAT	0.2	0.0	0.0	0.2	2.9	0.0	0.0	0.0	0.0	2.9	3.1
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3
RP 3.09:	FORAGE, RANGE, & PASTURE	10.2	0.0	0.0	10.2	7.6	0.0	0.0	0.0	0.0	7.6	17.8
RP 3.13:	FRUIT	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.1	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.4	0.5
RP 3.16:	BEES & OTHER POLLINATING INSECTS	3.9	0.0	0.0	3.9	0.6	0.0	0.0	0.0	0.0	0.6	4.5
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	4.2
RP 4.01:	BEEF	3.5	0.0	0.0	3.5	1.9	0.0	0.0	0.0	0.0	1.9	5.4
RP 4.02:	DAIRY	1.5	0.0	0.0	1.5	13.0	0.0	0.0	0.0	0.0	13.0	14.5
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	4.1	4.1
RP 4.04:	SHEEP	3.0	0.0	0.0	3.0	3.2	0.0	0.0	0.0	0.0	3.2	6.2
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	1.0	0.0	0.0	1.0	1.6	0.0	0.0	0.0	0.0	1.6	2.6
RP 4.08:	NONSPECIFIC ANIMALS	0.5	0.0	0.0	0.5	5.8	0.0	0.0	0.0	0.0	5.8	6.3
RP 4.09:	INVERTEBRATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 6.02:	FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY UTAH

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	2.1	2.1
RP 8.03: FOOD SAFETY	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.9	1.9
GRAND TOTAL	23.9	0.0	16.6	40.5	75.0	0.0	0.0	0.0	0.0	75.0	115.5

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY WASHINGTON

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	3.6	0.0	0.0	3.6	3.1	0.0	0.0	0.0	0.0	3.1	6.8
RP 1.02:	WATER & WATERSHEDS	2.6	0.0	0.0	2.6	2.1	0.0	0.0	0.0	0.0	2.1	4.7
RP 1.03:	RECREATION	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	2.3	0.0	0.0	2.4	2.4
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	3.1	0.0	0.5	0.0	0.0	3.6	3.6
RP 1.07:	REMOTE SENSING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 1.08:	AQUATIC WEEDS	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.0	0.0	0.8	0.8
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	1.2	1.2	1.5	0.0	3.1	0.0	0.8	5.4	6.7
RP 2.03:	FOREST PROTECTION	0.0	0.0	2.5	2.5	1.5	0.0	1.7	0.0	0.0	3.2	5.7
RP 2.04:	HARVESTING PROCESSING & MARKETING OF FOREST PRODUCTS	0.0	0.0	5.3	5.3	0.7	0.0	5.2	0.0	0.4	6.3	11.6
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.2	2.2	0.7	0.0	5.4	0.0	0.0	6.2	8.4
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	3.2	3.2	0.0	0.0	2.6	0.0	0.0	2.6	5.9
RP 2.07:	FOREST RECREATION & AESTHETICS & OTH LANDSCAPE VALUES	0.0	0.0	2.1	2.1	0.0	0.0	0.7	0.0	0.0	0.7	2.8
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.3	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.6
RP 2.09:	TECHNICAL ASSISTANCE	1.2	0.0	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.2	1.4
RP 3.01:	CORN	0.4	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.8
RP 3.03:	WHEAT	11.4	0.0	0.0	11.4	8.4	0.0	0.0	0.0	0.0	8.4	19.8
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.4	0.0	0.0	0.4	1.7	0.0	0.0	0.0	0.0	1.7	2.2
RP 3.05:	RICE	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.09:	FORAGE, RANGE, & PASTURE	4.5	0.0	0.0	4.5	3.8	0.0	0.0	0.0	0.0	3.8	8.3
RP 3.10:	COTTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 3.11:	TOBACCO	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.5	0.0	0.0	0.5	4.6	0.0	0.0	0.0	0.0	4.6	5.1
RP 3.13:	FRUIT	15.4	0.0	0.0	15.4	19.4	0.0	0.0	0.0	0.0	19.4	34.9
RP 3.14:	VEGETABLE CROPS	14.0	0.0	0.0	14.0	11.3	0.0	0.0	0.0	0.0	11.3	25.3
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8	2.9
RP 3.16:	BEES & OTHER POLLINATING INSECTS	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 3.17:	WEEDS IN CROPS	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
RP 3.18:	SEEDS	0.2	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.0	0.7	1.0
RP 3.19:	NONSPECIFIC PLANTS	1.3	0.0	0.0	1.3	5.8	0.0	1.0	0.0	0.6	7.5	8.9
RP 4.01:	BEEF	4.0	0.0	0.0	4.0	2.8	0.0	0.0	0.0	0.0	2.8	6.8
RP 4.02:	DAIRY	0.6	0.0	0.0	0.6	6.7	0.0	0.0	0.0	0.0	6.7	7.3
RP 4.03:	POULTRY	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	2.4	2.4
RP 4.04:	SHEEP	1.7	0.0	0.0	1.7	1.0	0.0	0.0	0.0	0.0	1.0	2.7

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY WASHINGTON

	USDA				OTHER INSTITUTIONS						
	ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FRSTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 4.05: SWINE	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.7	0.7
RP 4.06: OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.7	0.0	0.0	0.7	0.9	0.0	0.0	0.0	0.0	0.9	1.7
RP 4.07: AQUATIC FOOD & FEEDSTUFFS	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
RP 4.08: NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RP 4.09: INVERTEBRATES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.2	1.6	1.6
RP 5.01: INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5
RP 5.02: LIVING ENVIRONMENT	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9
RP 5.03: COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	3.2
RP 5.04: INSECTS AFFECTING MAN AND HIS BELONGINGS	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.01: FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	2.3
RP 6.02: FOREIGN AGRICULTURAL TRADE & ECONOMIC DEVELOPMENT	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	3.3
RP 6.03: MARKETING & COMPETITION	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.1	3.1
RP 7.01: MANMADE RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.6	0.6
RP 7.02: TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	2.4	0.0	0.0	2.4	1.7	0.0	0.0	0.0	0.0	1.7	4.2
RP 8.01: HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 8.03: FOOD SAFETY	0.1	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.7	0.8
GRAND TOTAL	66.3	0.0	17.1	83.4	114.4	0.0	23.8	0.0	2.2	140.4	223.8

TABLE V-B STATE SUMMARY OF SCIENTIST-YEARS FOR FY 1989 REGION 4

RESEARCH PROGRAM SUMMARY WYOMING

		USDA				OTHER INSTITUTIONS						
		ARS/HNIS /OICD	ERS/ ACS	FS	USDA TOTAL	SAES	1890/ TUSK	FESTRY SCH	VET SCH	OTHR	TOTAL	GRAND TOTAL
RP 1.01:	SOIL & LAND USE	0.7	0.0	0.0	0.7	1.7	0.0	0.0	0.0	0.0	1.7	2.5
RP 1.02:	WATER & WATERSHEDS	0.3	0.0	0.0	0.3	1.8	0.0	0.0	0.0	0.0	1.8	2.2
RP 1.04:	ENVIRONMENTAL QUALITY	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5
RP 1.05:	WEATHER MODIFICATION FOR AGRICULTURE & FORESTRY	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 1.06:	FISH & WILDLIFE	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 2.01:	INVENTORY & APPRAISAL OF FOREST RESOURCES	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 2.02:	TIMBER MANAGEMENT	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 2.03:	FOREST PROTECTION	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
RP 2.05:	FOREST WATERSHEDS, SOILS, POLLUTION	0.0	0.0	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4
RP 2.06:	FOREST RANGE WILDLIFE & FISHERIES HABITAT DEVELOPMENT	0.0	0.0	2.6	2.6	1.3	0.0	0.0	0.0	0.0	1.3	3.9
RP 2.08:	ALTERNATE USES OF LAND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
RP 3.01:	CORN	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.03:	WHEAT	0.1	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.7	0.8
RP 3.04:	SMALL GRAINS OTHER THAN WHEAT	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.08:	SUGAR	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7
RP 3.09:	FORAGE, RANGE, & PASTURE	1.6	0.0	0.0	1.6	8.9	0.0	0.0	0.0	0.0	8.9	10.5
RP 3.12:	NEW CROPS & MINOR OILSEEDS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 3.14:	VEGETABLE CROPS	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 3.15:	PLANTS TO ENHANCE THE ENVIRONMENT	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RP 3.18:	SEEDS	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6
RP 3.19:	NONSPECIFIC PLANTS	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 4.01:	BEEF	8.6	0.0	0.0	8.6	8.1	0.0	0.0	0.0	0.0	8.1	16.8
RP 4.02:	DAIRY	8.0	0.0	0.0	8.0	0.8	0.0	0.0	0.0	0.0	0.8	8.9
RP 4.04:	SHEEP	4.0	0.0	0.0	4.0	4.1	0.0	0.0	0.0	0.0	4.1	8.1
RP 4.06:	OTHER ANIMALS (HORSES, GOATS, PETS, LABORATORY, ETC.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
RP 4.08:	NONSPECIFIC ANIMALS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 5.01:	INDIVIDUALS AND FAMILIES	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 5.03:	COMMUNITIES, INSTITUTIONS AND SERVICES	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2	1.2
RP 5.05:	RESEARCH ON ADMINISTRATION AND RESEARCH	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 6.01:	FARM ADJUSTMENT, PRICES & INCOME	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4	1.4
RP 6.03:	MARKETING & COMPETITION	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7	1.7
RP 7.02:	TECHNOLOGY NOT ASSOC WITH SPEC COMM RESOURCES OR RPGS	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3
RP 8.01:	HUMAN NUTRITION	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8	1.8
RP 8.03:	FOOD SAFETY	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1
GRAND TOTAL		24.2	0.0	5.0	29.2	45.4	0.0	0.0	0.0	0.0	45.4	74.6

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